

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

| | |
|------------------------------------|------------------------|
| Maximum Intensity | 455.5 cd per klm. |
| (Luminaire orientation as tested.) | 0.0 degrees vertical |
| | 2.0 degrees horizontal |

| | | |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 151.3V x 151.4H |
| | At 50% of Imax | 114.8V x 115.1H |
| | At 90% of Imax | 52.2V x 53.7H |

| | | |
|-----------|----------------|------------------------|
| Beam Flux | Total | 1276.4 lumens per klm. |
| | To 10% of Imax | 1259.8 lumens per klm. |
| | To 50% of Imax | 1006.7 lumens per klm. |
| | To 90% of Imax | 282.6 lumens per klm. |

| | |
|--------------|---------|
| Upward LOR | 0.0 % |
| Downward LOR | 127.6 % |

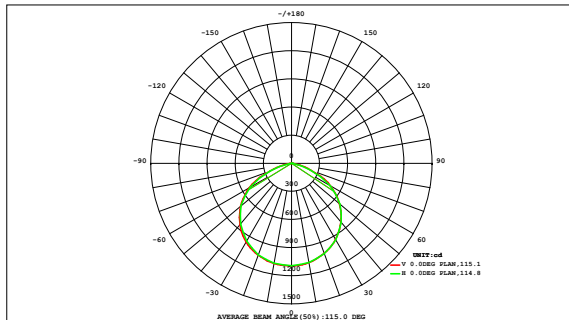
| | |
|---|---------|
| Luminaire Efficiency (Light Output Ratio) | 127.9 % |
|---|---------|

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|-----------------------------|-----------------------------|------------------|
| NAME: 98Helios30SEN | TYPE: 98Helios30SEN | WEIGHT: 0.385 |
| SPEC.: | DIM.: 0.155 x 0.105 x 0.120 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: rectangular | Shielding Angle: |



| DATA OF LAMP | | PHOTOMETRIC DATA | |
|-------------------|---------------|------------------|------------|
| MODEL | 98Helios30SEN | Imax (cd) | 1093 |
| NOMINAL POWER (W) | 30 | AVAILABILITY (%) | 126.4 |
| RATED VOLTAGE (V) | 230 | Avai. FLUX (lm) | 3034 |
| NOMINAL FLUX (lm) | 2400 | LOR (%) | 127.9 |
| LAMPS INSIDE | 1 | TOTAL FLUX (lm) | 3070 |
| TEST VOLTAGE (V) | 230 | θ @50% (H,V) | 115,115DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | UNIT:lm | | Φ t | Φ a |
|------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| 90 | 0.01 | 0.03 | 0.16 | 0.50 | 0.99 | 1.78 | 2.58 | 3.20 | 3.50 | 3.52 | 3.31 | 2.76 | 2.02 | 1.15 | 0.54 | 0.16 | 0.03 | 0.01 | 26.2 | 18.6 |
| 80 | 0.01 | 0.09 | 0.65 | 1.96 | 4.06 | 6.55 | 8.60 | 10.2 | 11.2 | 11.3 | 10.4 | 8.95 | 6.90 | 4.37 | 2.10 | 0.68 | 0.09 | 0.00 | 88.1 | 85.2 |
| 70 | 0.01 | 0.24 | 1.49 | 4.09 | 7.81 | 11.3 | 14.5 | 17.1 | 18.5 | 18.6 | 17.4 | 15.1 | 12.0 | 8.45 | 4.42 | 1.60 | 0.26 | 0.01 | 153 | 152 |
| 60 | 0.01 | 0.45 | 2.36 | 6.19 | 10.6 | 14.9 | 18.9 | 21.9 | 23.5 | 23.7 | 22.3 | 19.5 | 15.7 | 11.3 | 6.67 | 2.56 | 0.48 | 0.01 | 201 | 200 |
| 50 | 0.02 | 0.67 | 3.22 | 7.76 | 12.7 | 17.7 | 22.2 | 25.5 | 27.3 | 27.4 | 25.9 | 22.8 | 18.5 | 13.5 | 8.41 | 3.50 | 0.70 | 0.01 | 238 | 237 |
| 40 | 0.02 | 0.86 | 3.95 | 8.94 | 14.4 | 19.9 | 24.7 | 28.3 | 30.2 | 30.4 | 28.7 | 25.4 | 20.8 | 15.3 | 9.67 | 4.32 | 0.93 | 0.02 | 267 | 266 |
| 30 | 0.03 | 0.99 | 4.47 | 9.71 | 15.5 | 21.3 | 26.4 | 30.0 | 32.1 | 32.2 | 30.5 | 27.1 | 22.2 | 16.4 | 10.5 | 4.85 | 1.09 | 0.03 | 285 | 285 |
| 20 | 0.03 | 1.05 | 4.72 | 10.1 | 16.0 | 22.0 | 27.1 | 30.8 | 32.9 | 33.0 | 31.3 | 27.8 | 22.9 | 16.9 | 10.9 | 5.17 | 1.16 | 0.03 | 294 | 293 |
| 10 | 0.03 | 1.05 | 4.71 | 10.1 | 16.0 | 21.9 | 27.0 | 30.8 | 32.8 | 32.9 | 31.2 | 27.7 | 22.8 | 16.9 | 10.8 | 5.13 | 1.16 | 0.03 | 293 | 293 |
| 0 | 0.03 | 0.97 | 4.43 | 9.63 | 15.4 | 21.2 | 26.1 | 29.8 | 31.7 | 31.9 | 30.2 | 26.9 | 22.0 | 16.3 | 10.4 | 4.84 | 1.08 | 0.03 | 283 | 282 |
| -10 | 0.02 | 0.83 | 3.88 | 8.79 | 14.2 | 19.6 | 24.3 | 27.8 | 29.8 | 29.9 | 28.3 | 25.1 | 20.4 | 15.0 | 9.50 | 4.24 | 0.92 | 0.02 | 263 | 262 |
| -20 | 0.01 | 0.64 | 3.12 | 7.58 | 12.4 | 17.3 | 21.7 | 25.0 | 26.7 | 26.9 | 25.4 | 22.4 | 18.1 | 13.2 | 8.23 | 3.47 | 0.69 | 0.01 | 233 | 232 |
| -30 | 0.01 | 0.43 | 2.27 | 5.95 | 10.2 | 14.4 | 18.2 | 21.1 | 22.7 | 22.8 | 21.5 | 18.8 | 15.1 | 10.9 | 6.50 | 2.50 | 0.46 | 0.01 | 194 | 193 |
| -40 | 0.00 | 0.23 | 1.40 | 3.93 | 7.46 | 10.8 | 13.9 | 16.2 | 17.6 | 17.7 | 16.6 | 14.4 | 11.4 | 8.06 | 4.31 | 1.56 | 0.26 | 0.00 | 146 | 144 |
| -50 | 0.00 | 0.08 | 0.62 | 1.84 | 4.01 | 6.25 | 8.20 | 9.72 | 10.6 | 10.6 | 9.89 | 8.48 | 6.57 | 4.31 | 1.98 | 0.65 | 0.08 | 0.00 | 83.9 | 80.7 |
| -60 | 0.00 | 0.01 | 0.10 | 0.37 | 0.80 | 1.64 | 2.31 | 2.81 | 3.04 | 3.02 | 2.81 | 2.35 | 1.74 | 0.86 | 0.39 | 0.10 | 0.01 | 0.00 | 22.3 | 9.49 |
| -70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 |
| -80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HORIZONTAL (DEG) | | | | | | | | | | | | | | | | | | | | |
| Φ t | 0.24 | 8.64 | 41.5 | 97.4 | 163 | 229 | 287 | 330 | 354 | 356 | 336 | 296 | 239 | 173 | 105 | 45.3 | 9.45 | 0.24 | 3070 | --- |
| Φ a | 0.00 | 5.31 | 39.0 | 95.0 | 161 | 227 | 285 | 328 | 352 | 354 | 334 | 294 | 238 | 171 | 103 | 42.8 | 5.81 | 0.00 | --- | 3034 |

one-half-peak spread: U:56.9,D:58.4 , L:58.8,R:56.9

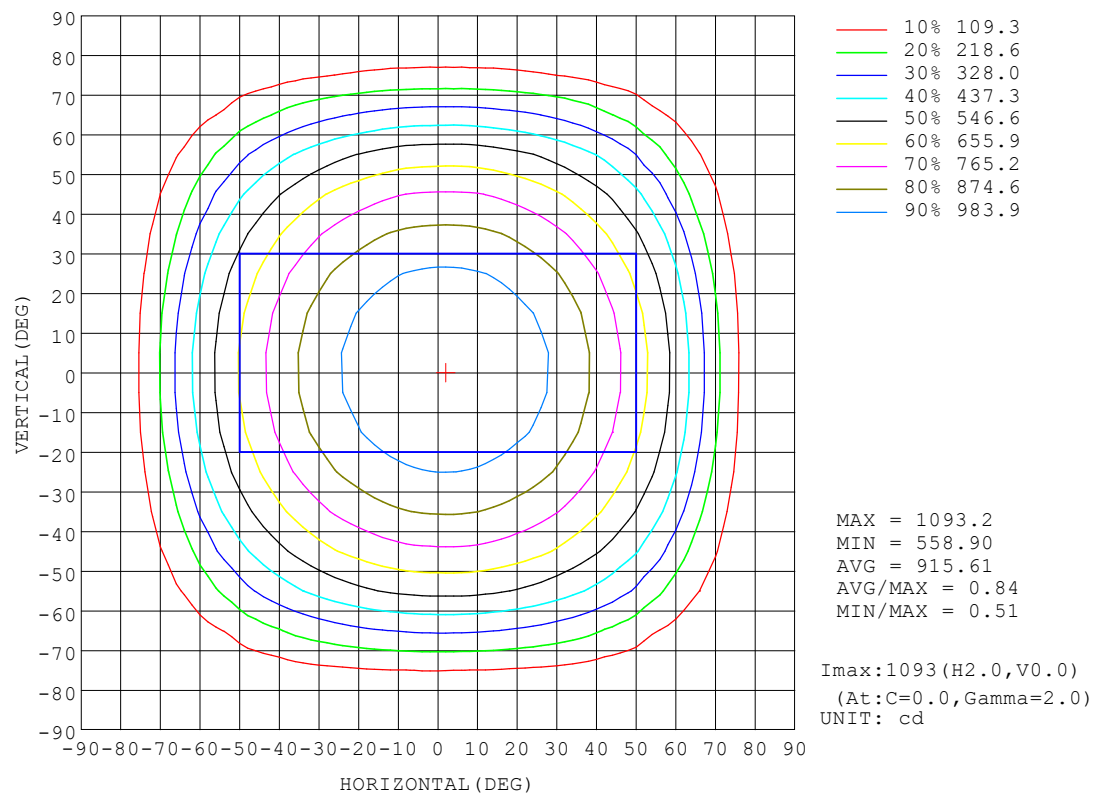
NEMA Beam Type: Type 7

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:

ISOCANDELA DIAGRAM

| | | |
|-----------------------------|-----------------------------|------------------|
| NAME: 98Helios30SEN | TYPE: 98Helios30SEN | WEIGHT: 0.385 |
| SPEC.: | DIM.: 0.155 x 0.105 x 0.120 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: rectangular | Shielding Angle: |

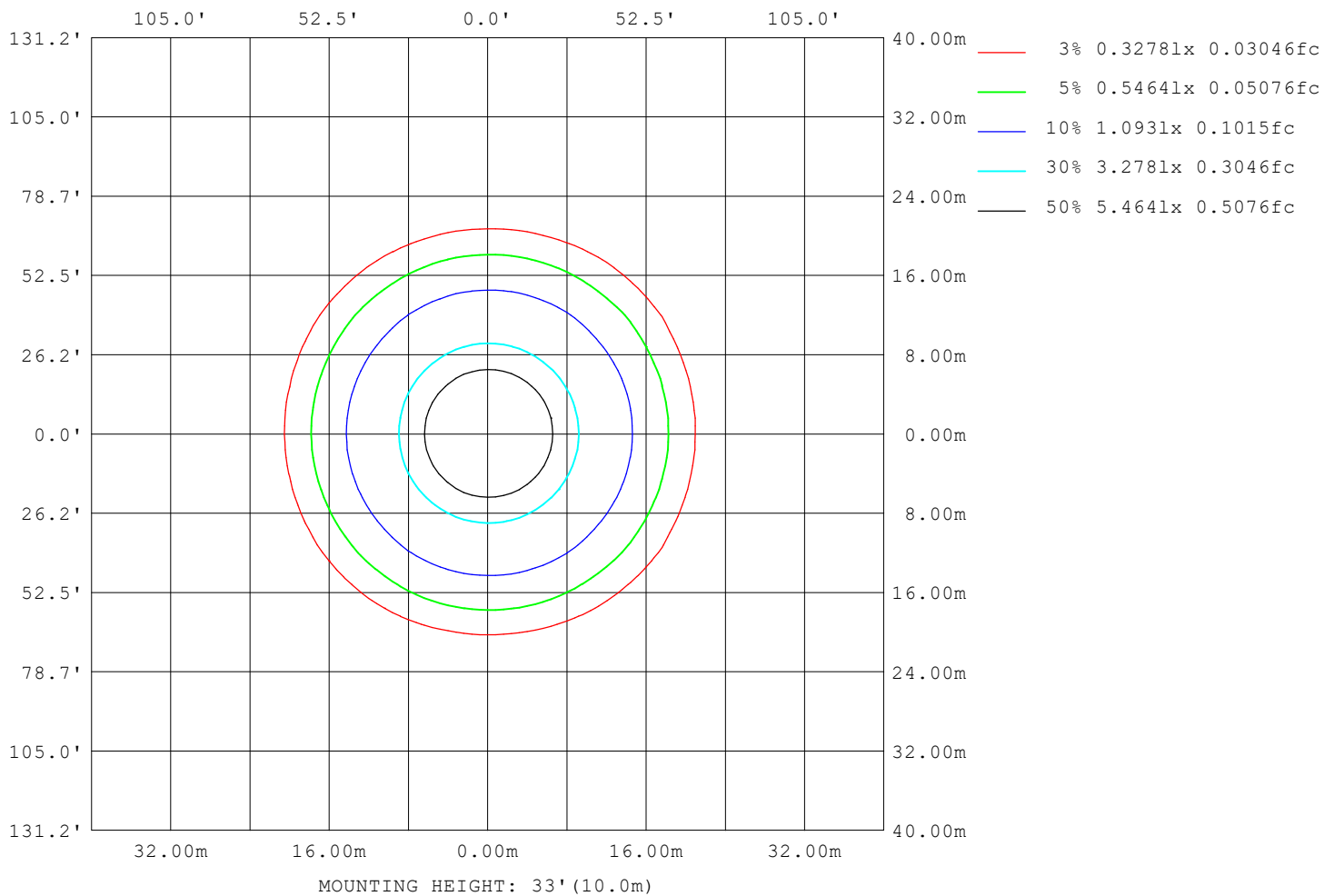


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 July 2022

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:

ISOLUX DIAGRAM

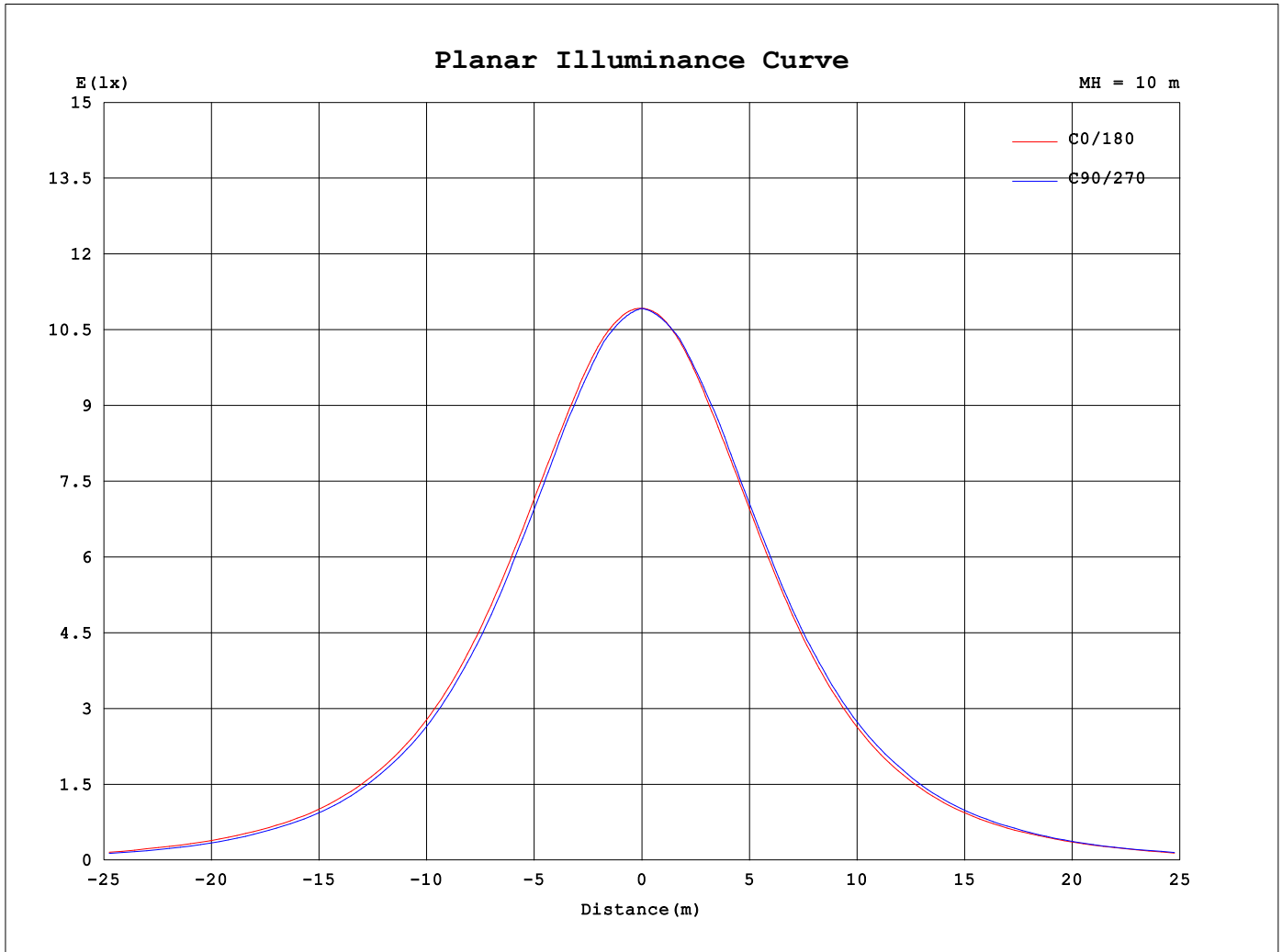
| | | |
|-----------------------------|-----------------------------|------------------|
| NAME: 98Helios30SEN | TYPE: 98Helios30SEN | WEIGHT: 0.385 |
| SPEC.: | DIM.: 0.155 x 0.105 x 0.120 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: rectangular | Shielding Angle: |



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:

Planar Illuminance Curve

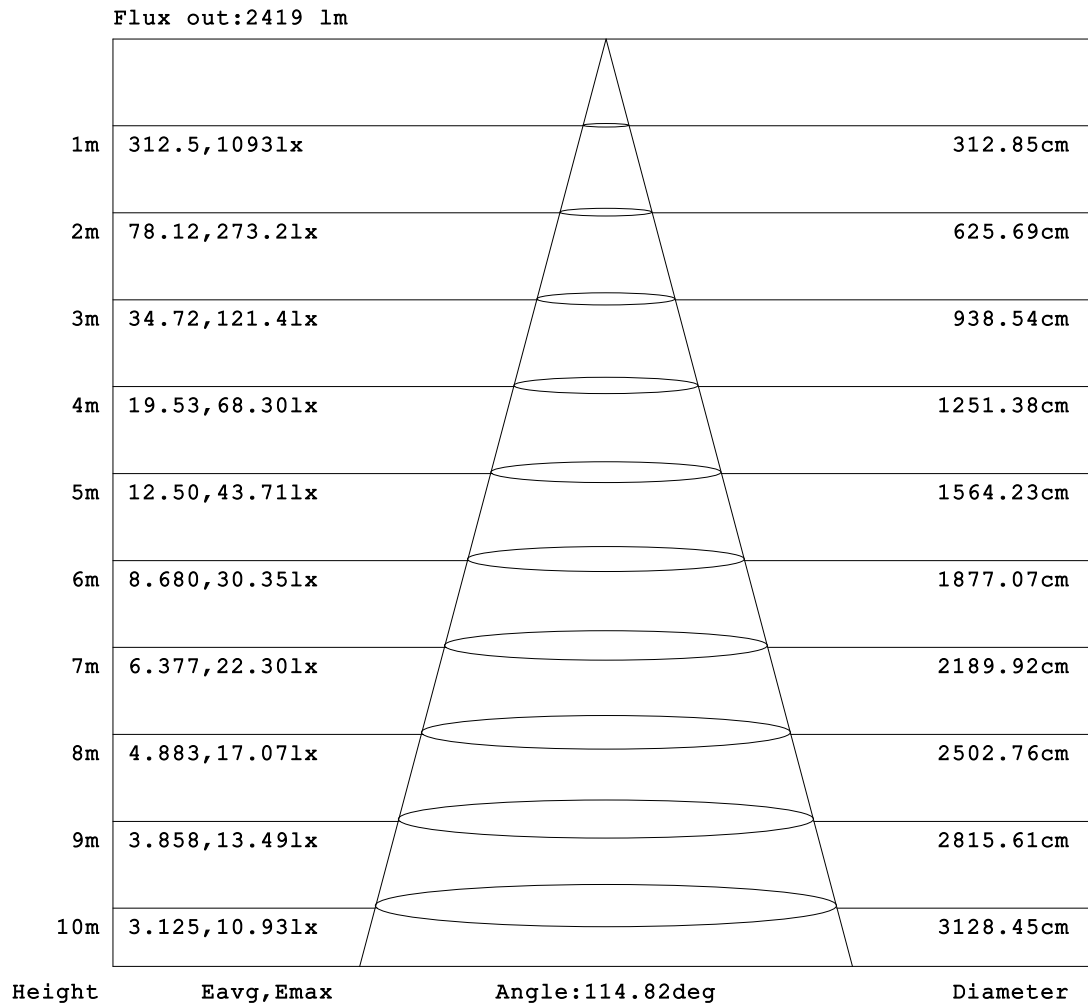


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 July 2022

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:

AAI Figure

| | | |
|-----------------------------|-----------------------------|------------------|
| NAME: 98Helios30SEN | TYPE: 98Helios30SEN | WEIGHT: 0.385 |
| SPEC.: | DIM.: 0.155 x 0.105 x 0.120 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: rectangular | Shielding Angle: |



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-----------------------------|-----------------------------|------------------|
| NAME: 98Helios30SEN | TYPE: 98Helios30SEN | WEIGHT: 0.385 |
| SPEC.: | DIM.: 0.155 x 0.105 x 0.120 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: rectangular | Shielding Angle: |

Table--1

UNIT: cd

| H (DEG) V (DEG) | -90 | -86 | -80 | -76 | -70 | -66 | -60 | -56 | -50 | -46 | -40 | -36 | -30 | -26 | -20 | -16 | -10 | -6 | 0 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -80 | 1.08 | 1.03 | 1.16 | 1.35 | 1.77 | 2.13 | 2.82 | 3.50 | 5.01 | 6.06 | 7.65 | 8.97 | 10.9 | 12.1 | 14.5 | 15.1 | 16.6 | 15.7 | 15.0 |
| -75 | 1.11 | 1.08 | 1.45 | 2.00 | 5.53 | 9.64 | 18.0 | 25.9 | 39.7 | 47.2 | 59.7 | 73.2 | 85.4 | 91.4 | 100 | 105 | 108 | 110 | 111 |
| -70 | 1.13 | 1.12 | 1.74 | 2.64 | 9.29 | 17.1 | 33.2 | 48.2 | 74.4 | 88.3 | 112 | 137 | 160 | 171 | 186 | 194 | 200 | 204 | 208 |
| -65 | 1.15 | 1.17 | 2.31 | 6.95 | 24.1 | 42.1 | 76.9 | 100 | 143 | 174 | 213 | 240 | 270 | 287 | 309 | 321 | 332 | 339 | 343 |
| -60 | 1.18 | 1.22 | 2.88 | 11.3 | 38.9 | 67.0 | 120 | 152 | 212 | 260 | 314 | 343 | 380 | 403 | 433 | 448 | 465 | 474 | 479 |
| -55 | 1.20 | 1.26 | 4.74 | 19.4 | 58.6 | 98.8 | 159 | 211 | 285 | 331 | 389 | 422 | 467 | 493 | 525 | 543 | 564 | 573 | 577 |
| -50 | 1.22 | 1.30 | 6.59 | 27.6 | 78.3 | 131 | 197 | 269 | 358 | 401 | 464 | 501 | 554 | 583 | 618 | 638 | 662 | 672 | 676 |
| -45 | 1.26 | 1.44 | 11.3 | 37.0 | 104 | 158 | 251 | 322 | 410 | 458 | 525 | 565 | 621 | 652 | 688 | 710 | 735 | 745 | 750 |
| -40 | 1.29 | 1.57 | 15.9 | 46.4 | 130 | 186 | 305 | 374 | 463 | 514 | 585 | 629 | 688 | 720 | 759 | 782 | 808 | 818 | 824 |
| -35 | 1.32 | 1.64 | 19.7 | 57.4 | 149 | 210 | 341 | 413 | 505 | 560 | 636 | 681 | 741 | 775 | 817 | 840 | 866 | 876 | 884 |
| -30 | 1.35 | 1.70 | 23.5 | 68.3 | 167 | 234 | 377 | 452 | 547 | 605 | 686 | 734 | 795 | 830 | 875 | 899 | 923 | 934 | 944 |
| -25 | 1.39 | 1.79 | 29.1 | 76.6 | 182 | 263 | 407 | 481 | 580 | 640 | 722 | 771 | 835 | 871 | 915 | 939 | 965 | 977 | 985 |
| -20 | 1.42 | 1.88 | 34.6 | 84.9 | 198 | 292 | 437 | 509 | 614 | 675 | 758 | 809 | 876 | 912 | 955 | 980 | 1008 | 1019 | 1025 |
| -15 | 1.44 | 1.95 | 36.4 | 89.3 | 208 | 312 | 453 | 528 | 633 | 695 | 780 | 832 | 899 | 935 | 979 | 1005 | 1032 | 1043 | 1050 |
| -10 | 1.47 | 2.01 | 38.3 | 93.6 | 217 | 332 | 468 | 546 | 652 | 715 | 802 | 856 | 923 | 958 | 1004 | 1030 | 1057 | 1066 | 1075 |
| -5 | 1.49 | 2.16 | 39.3 | 95.9 | 221 | 338 | 474 | 551 | 659 | 723 | 811 | 863 | 931 | 968 | 1013 | 1038 | 1066 | 1077 | 1084 |
| 0 | 1.51 | 2.30 | 40.2 | 98.2 | 224 | 344 | 479 | 557 | 666 | 731 | 819 | 871 | 940 | 977 | 1021 | 1045 | 1076 | 1087 | 1093 |
| 5 | 1.52 | 2.24 | 39.6 | 96.4 | 222 | 340 | 475 | 552 | 661 | 725 | 813 | 865 | 934 | 971 | 1014 | 1039 | 1069 | 1080 | 1087 |
| 10 | 1.54 | 2.18 | 38.9 | 94.6 | 219 | 335 | 470 | 548 | 656 | 720 | 806 | 859 | 928 | 965 | 1008 | 1033 | 1062 | 1074 | 1080 |
| 15 | 1.56 | 2.09 | 37.3 | 90.8 | 210 | 317 | 456 | 532 | 638 | 701 | 788 | 839 | 906 | 944 | 988 | 1012 | 1041 | 1053 | 1060 |
| 20 | 1.58 | 2.01 | 35.6 | 86.9 | 201 | 298 | 442 | 517 | 620 | 683 | 770 | 819 | 885 | 923 | 968 | 991 | 1020 | 1031 | 1039 |
| 25 | 1.60 | 1.92 | 30.2 | 79.8 | 186 | 270 | 415 | 489 | 590 | 650 | 734 | 784 | 848 | 884 | 929 | 953 | 980 | 991 | 999 |
| 30 | 1.62 | 1.84 | 24.7 | 72.7 | 172 | 242 | 387 | 461 | 559 | 617 | 698 | 748 | 811 | 845 | 891 | 916 | 941 | 951 | 960 |
| 35 | 1.63 | 1.83 | 21.3 | 61.3 | 154 | 217 | 351 | 424 | 518 | 574 | 651 | 697 | 759 | 793 | 836 | 860 | 886 | 896 | 903 |
| 40 | 1.64 | 1.82 | 17.8 | 50.0 | 136 | 192 | 315 | 386 | 476 | 530 | 603 | 646 | 706 | 740 | 782 | 804 | 831 | 841 | 846 |
| 45 | 1.65 | 1.78 | 12.9 | 41.0 | 110 | 165 | 261 | 337 | 425 | 474 | 543 | 584 | 641 | 673 | 712 | 734 | 760 | 770 | 775 |
| 50 | 1.66 | 1.75 | 7.97 | 32.0 | 83.5 | 138 | 208 | 287 | 373 | 419 | 484 | 521 | 576 | 606 | 642 | 664 | 689 | 698 | 704 |
| 55 | 1.66 | 1.73 | 5.76 | 22.3 | 62.7 | 105 | 167 | 223 | 303 | 347 | 406 | 441 | 488 | 516 | 549 | 569 | 592 | 601 | 606 |
| 60 | 1.66 | 1.71 | 3.56 | 12.6 | 42.0 | 71.5 | 127 | 160 | 232 | 274 | 329 | 361 | 401 | 426 | 457 | 474 | 495 | 504 | 508 |
| 65 | 1.65 | 1.69 | 2.96 | 7.99 | 26.6 | 46.2 | 85.0 | 109 | 160 | 189 | 233 | 261 | 294 | 313 | 337 | 351 | 367 | 374 | 377 |
| 70 | 1.65 | 1.66 | 2.35 | 3.36 | 11.2 | 21.0 | 42.9 | 57.0 | 88.3 | 104 | 137 | 162 | 188 | 200 | 217 | 227 | 239 | 244 | 246 |
| 75 | 1.65 | 1.65 | 2.08 | 2.68 | 6.83 | 11.9 | 23.5 | 31.1 | 47.0 | 55.0 | 72.2 | 84.9 | 101 | 110 | 121 | 126 | 133 | 135 | 137 |
| 80 | 1.64 | 1.64 | 1.80 | 2.00 | 2.47 | 2.84 | 4.15 | 5.24 | 5.61 | 5.66 | 6.85 | 8.10 | 14.0 | 19.0 | 24.0 | 25.0 | 27.7 | 27.1 | 27.2 |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-----------------------------|-----------------------------|------------------|
| NAME: 98Helios30SEN | TYPE: 98Helios30SEN | WEIGHT: 0.385 |
| SPEC.: | DIM.: 0.155 x 0.105 x 0.120 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: rectangular | Shielding Angle: |

Table--2

UNIT: cd

| H (DEG) V (DEG) | 4 | 10 | 14 | 20 | 24 | 30 | 34 | 40 | 44 | 50 | 54 | 60 | 64 | 70 | 74 | 80 | 84 | 90 | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| -85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| -80 | 14.8 | 13.2 | 13.2 | 10.9 | 9.26 | 7.41 | 6.58 | 5.02 | 4.50 | 3.73 | 3.25 | 2.56 | 2.09 | 1.59 | 1.30 | 1.06 | 1.05 | 0.89 | |
| -75 | 110 | 108 | 107 | 99.9 | 95.5 | 87.5 | 80.4 | 65.0 | 53.3 | 42.2 | 30.3 | 19.7 | 13.5 | 5.29 | 2.33 | 1.34 | 1.09 | 0.89 | |
| -70 | 205 | 203 | 200 | 189 | 182 | 167 | 154 | 125 | 102 | 80.6 | 57.4 | 36.9 | 24.8 | 9.00 | 3.35 | 1.62 | 1.13 | 0.90 | |
| -65 | 342 | 337 | 331 | 316 | 304 | 281 | 263 | 228 | 201 | 158 | 118 | 83.7 | 54.8 | 25.1 | 11.5 | 2.13 | 1.28 | 0.91 | |
| -60 | 479 | 472 | 462 | 444 | 427 | 395 | 372 | 332 | 301 | 236 | 179 | 131 | 84.8 | 41.2 | 19.6 | 2.63 | 1.43 | 0.93 | |
| -55 | 578 | 571 | 561 | 540 | 521 | 486 | 459 | 413 | 378 | 314 | 254 | 174 | 127 | 64.6 | 32.7 | 5.62 | 1.65 | 0.95 | |
| -50 | 677 | 671 | 660 | 635 | 615 | 578 | 546 | 495 | 456 | 392 | 330 | 217 | 170 | 88.1 | 45.7 | 8.60 | 1.87 | 0.97 | |
| -45 | 751 | 745 | 733 | 707 | 686 | 646 | 612 | 556 | 515 | 445 | 385 | 276 | 201 | 117 | 62.7 | 13.0 | 2.10 | 0.99 | |
| -40 | 825 | 818 | 806 | 779 | 757 | 714 | 679 | 617 | 573 | 499 | 440 | 334 | 232 | 145 | 79.6 | 17.4 | 2.34 | 1.02 | |
| -35 | 884 | 875 | 864 | 837 | 814 | 769 | 733 | 670 | 622 | 543 | 483 | 374 | 279 | 166 | 92.0 | 21.7 | 2.64 | 1.04 | |
| -30 | 943 | 933 | 921 | 896 | 872 | 824 | 788 | 723 | 671 | 587 | 526 | 414 | 326 | 187 | 104 | 26.0 | 2.93 | 1.06 | |
| -25 | 984 | 976 | 963 | 936 | 912 | 866 | 827 | 759 | 707 | 621 | 555 | 444 | 353 | 202 | 120 | 31.5 | 3.61 | 1.08 | |
| -20 | 1026 | 1018 | 1006 | 976 | 953 | 907 | 866 | 795 | 742 | 655 | 585 | 475 | 380 | 217 | 136 | 36.9 | 4.28 | 1.11 | |
| -15 | 1051 | 1042 | 1029 | 1001 | 978 | 930 | 890 | 819 | 765 | 676 | 606 | 493 | 397 | 228 | 144 | 39.6 | 4.83 | 1.13 | |
| -10 | 1076 | 1067 | 1053 | 1027 | 1003 | 953 | 913 | 844 | 788 | 696 | 627 | 512 | 414 | 238 | 151 | 42.2 | 5.39 | 1.15 | |
| -5 | 1084 | 1076 | 1062 | 1034 | 1010 | 962 | 922 | 850 | 795 | 703 | 633 | 516 | 418 | 241 | 157 | 42.8 | 5.52 | 1.17 | |
| 0 | 1092 | 1085 | 1072 | 1041 | 1017 | 971 | 931 | 857 | 802 | 710 | 640 | 520 | 422 | 244 | 163 | 43.5 | 5.66 | 1.19 | |
| 5 | 1087 | 1079 | 1066 | 1036 | 1012 | 966 | 925 | 852 | 797 | 706 | 635 | 517 | 419 | 243 | 158 | 43.0 | 5.55 | 1.21 | |
| 10 | 1081 | 1073 | 1060 | 1030 | 1007 | 960 | 920 | 847 | 792 | 702 | 631 | 513 | 417 | 241 | 152 | 42.5 | 5.43 | 1.24 | |
| 15 | 1059 | 1051 | 1038 | 1009 | 984 | 938 | 899 | 826 | 772 | 683 | 613 | 498 | 401 | 231 | 145 | 39.7 | 5.07 | 1.26 | |
| 20 | 1038 | 1028 | 1017 | 988 | 962 | 916 | 878 | 805 | 751 | 664 | 594 | 482 | 385 | 220 | 138 | 36.9 | 4.70 | 1.28 | |
| 25 | 999 | 990 | 977 | 950 | 925 | 878 | 840 | 771 | 718 | 632 | 565 | 451 | 358 | 205 | 122 | 31.9 | 3.97 | 1.31 | |
| 30 | 960 | 951 | 937 | 912 | 888 | 841 | 803 | 737 | 686 | 601 | 535 | 420 | 330 | 190 | 107 | 26.8 | 3.24 | 1.33 | |
| 35 | 903 | 895 | 883 | 856 | 832 | 787 | 750 | 685 | 637 | 555 | 493 | 381 | 284 | 170 | 94.3 | 22.1 | 2.98 | 1.36 | |
| 40 | 846 | 840 | 829 | 800 | 776 | 733 | 697 | 633 | 589 | 510 | 451 | 342 | 239 | 149 | 81.9 | 17.3 | 2.71 | 1.39 | |
| 45 | 775 | 769 | 758 | 731 | 708 | 666 | 632 | 575 | 532 | 458 | 396 | 284 | 207 | 120 | 64.8 | 12.7 | 2.50 | 1.41 | |
| 50 | 705 | 698 | 687 | 661 | 640 | 600 | 567 | 516 | 475 | 405 | 342 | 226 | 176 | 91.0 | 47.7 | 8.13 | 2.28 | 1.43 | |
| 55 | 607 | 600 | 589 | 566 | 548 | 511 | 482 | 435 | 397 | 327 | 267 | 183 | 134 | 67.9 | 34.7 | 5.70 | 2.07 | 1.45 | |
| 60 | 510 | 503 | 492 | 471 | 456 | 422 | 397 | 354 | 318 | 249 | 193 | 140 | 92.4 | 44.9 | 21.6 | 3.26 | 1.85 | 1.47 | |
| 65 | 378 | 373 | 364 | 348 | 335 | 309 | 289 | 249 | 219 | 172 | 131 | 92.6 | 61.2 | 28.0 | 13.3 | 2.73 | 1.70 | 1.48 | |
| 70 | 247 | 242 | 236 | 224 | 215 | 197 | 180 | 144 | 120 | 95.4 | 68.6 | 44.9 | 29.9 | 11.1 | 5.07 | 2.20 | 1.55 | 1.49 | |
| 75 | 136 | 135 | 133 | 126 | 119 | 109 | 98.9 | 79.2 | 65.6 | 51.7 | 37.5 | 24.5 | 16.6 | 6.76 | 3.52 | 1.86 | 1.50 | 1.51 | |
| 80 | 25.9 | 28.2 | 29.3 | 27.2 | 24.0 | 20.4 | 17.6 | 14.1 | 11.0 | 8.00 | 6.35 | 4.19 | 3.21 | 2.44 | 1.97 | 1.53 | 1.45 | 1.52 | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

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: