

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

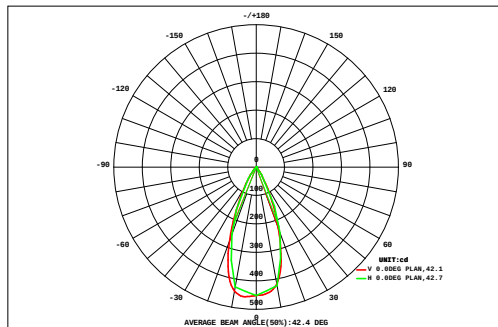
|                                                         |                |                                                                      |
|---------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 1943.8 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 67.8V x 67.2H                                                        |
|                                                         | At 50% of Imax | 42.7V x 42.1H                                                        |
|                                                         | At 90% of Imax | 22.8V x 23.6H                                                        |
| Beam Flux                                               | Total          | 996.4 lumens per klm.                                                |
|                                                         | To 10% of Imax | 927.3 lumens per klm.                                                |
|                                                         | To 50% of Imax | 611.9 lumens per klm.                                                |
|                                                         | To 90% of Imax | 208.6 lumens per klm.                                                |
| Upward LOR                                              |                | 0.0 %                                                                |
| Downward LOR                                            |                | 99.6 %                                                               |
| Luminaire Efficiency(Light Output Ratio)                |                | 100.0 %                                                              |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0616A P:7.490W PF:0.4381 Freq:50.00Hz Lamp Flux:235.147x1 lm |          |                       |
| NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM-R                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



| DATA OF LAMP              |         | Eff:31.40lm/W      |          |
|---------------------------|---------|--------------------|----------|
| MODE:SP-PZT-R135-6P-RDM-R |         | Imax(cd)           | 457.1    |
| NOMINAL POWER(W)          | 7       | AVAILABILITY(%)    | 93.9     |
| RATED VOLTAGE(V)          | 277     | Avai. FLUX(lm)     | 220.7    |
| NOMINAL FLUX(lm)          | 235.147 | LOR(%)             | 100.0    |
| LAMPS INSIDE              | 1       | TOTAL FLUX(lm)     | 235.1    |
| TEST VOLTAGE(V)           | 277     | $\theta$ @50%(H,V) | 42,43DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                   |      |      |      |      |      |      |      | UNIT:lm |      |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|---------|------|------|------|------|
|                | 0.00              | 0.00 | 0.00 | 0.01 | 0.03 | 0.06 | 0.08 | 0.10 | 0.11              | 0.12 | 0.11 | 0.10 | 0.08 | 0.05 | 0.03 | 0.01 | 0.00    | 0.00 | 0.90 | 0.00 |      |
|                | 40                | 0.00 | 0.00 | 0.00 | 0.02 | 0.06 | 0.10 | 0.14 | 0.17              | 0.19 | 0.19 | 0.17 | 0.15 | 0.12 | 0.08 | 0.05 | 0.02    | 0.00 | 0.00 | 1.47 | 0.00 |
|                | 35                | 0.00 | 0.00 | 0.03 | 0.08 | 0.14 | 0.22 | 0.32 | 0.42              | 0.48 | 0.49 | 0.46 | 0.39 | 0.30 | 0.22 | 0.14 | 0.08    | 0.04 | 0.01 | 3.83 | 2.33 |
|                | 30                | 0.00 | 0.01 | 0.07 | 0.14 | 0.24 | 0.36 | 0.50 | 0.64              | 0.72 | 0.71 | 0.64 | 0.53 | 0.40 | 0.28 | 0.18 | 0.11    | 0.05 | 0.01 | 5.60 | 4.48 |
|                | 25                | 0.00 | 0.03 | 0.10 | 0.22 | 0.39 | 0.65 | 0.97 | 1.30              | 1.54 | 1.58 | 1.46 | 1.23 | 0.92 | 0.61 | 0.37 | 0.21    | 0.10 | 0.04 | 11.7 | 10.9 |
|                | 20                | 0.01 | 0.08 | 0.18 | 0.36 | 0.62 | 1.01 | 1.49 | 1.94              | 2.21 | 2.21 | 1.99 | 1.61 | 1.16 | 0.74 | 0.42 | 0.23    | 0.11 | 0.04 | 16.4 | 15.7 |
|                | 15                | 0.01 | 0.07 | 0.19 | 0.41 | 0.79 | 1.34 | 1.96 | 2.52              | 2.84 | 2.92 | 2.82 | 2.49 | 1.90 | 1.24 | 0.71 | 0.37    | 0.18 | 0.08 | 22.8 | 22.2 |
|                | 10                | 0.03 | 0.12 | 0.30 | 0.64 | 1.20 | 1.96 | 2.74 | 3.32              | 3.56 | 3.58 | 3.43 | 2.97 | 2.17 | 1.34 | 0.73 | 0.37    | 0.17 | 0.07 | 28.7 | 28.1 |
|                | 5                 | 0.01 | 0.08 | 0.22 | 0.51 | 1.02 | 1.76 | 2.56 | 3.10              | 3.34 | 3.40 | 3.38 | 3.14 | 2.52 | 1.68 | 0.95 | 0.48    | 0.23 | 0.10 | 28.5 | 27.9 |
|                | 0                 | 0.03 | 0.12 | 0.32 | 0.72 | 1.38 | 2.23 | 3.03 | 3.40              | 3.48 | 3.51 | 3.48 | 3.16 | 2.43 | 1.54 | 0.83 | 0.40    | 0.18 | 0.07 | 30.3 | 29.8 |
|                | -5                | 0.00 | 0.05 | 0.16 | 0.40 | 0.86 | 1.54 | 2.30 | 2.91              | 3.20 | 3.28 | 3.21 | 2.91 | 2.29 | 1.54 | 0.88 | 0.44    | 0.21 | 0.08 | 26.3 | 25.7 |
|                | -10               | 0.01 | 0.07 | 0.19 | 0.46 | 0.96 | 1.62 | 2.31 | 2.85              | 3.11 | 3.17 | 2.97 | 2.50 | 1.79 | 1.12 | 0.61 | 0.30    | 0.13 | 0.04 | 24.2 | 23.7 |
|                | -15               | 0.00 | 0.02 | 0.08 | 0.21 | 0.46 | 0.85 | 1.31 | 1.77              | 2.09 | 2.21 | 2.11 | 1.80 | 1.36 | 0.90 | 0.52 | 0.27    | 0.12 | 0.04 | 16.1 | 15.5 |
|                | -20               | 0.00 | 0.02 | 0.08 | 0.19 | 0.37 | 0.61 | 0.90 | 1.22              | 1.48 | 1.53 | 1.33 | 0.97 | 0.64 | 0.38 | 0.21 | 0.11    | 0.04 | 0.00 | 10.1 | 9.29 |
|                | -25               | 0.00 | 0.00 | 0.01 | 0.06 | 0.14 | 0.28 | 0.44 | 0.61              | 0.75 | 0.82 | 0.79 | 0.67 | 0.50 | 0.34 | 0.20 | 0.10    | 0.03 | 0.01 | 5.74 | 4.82 |
|                | -30               | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.07 | 0.11 | 0.13              | 0.15 | 0.15 | 0.14 | 0.11 | 0.09 | 0.06 | 0.03 | 0.01    | 0.00 | 0.00 | 1.12 | 0.24 |
|                | -35               | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.06 | 0.11              | 0.14 | 0.16 | 0.16 | 0.13 | 0.10 | 0.06 | 0.03 | 0.02    | 0.00 | 0.00 | 1.03 | 0.00 |
|                | -40               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.03 | 0.00 |
|                | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL( DEG ) |      |      |      |      | 10   | 15   | 20   | 25      | 30   | 35   | 40   | 45   |
| Φ t            | 0.11              | 0.68 | 1.95 | 4.44 | 8.72 | 14.7 | 21.2 | 26.5 | 29.4              | 30.0 | 28.7 | 24.9 | 18.8 | 12.2 | 6.91 | 3.53 | 1.61    | 0.59 | 235  | ---  |      |
| Φ a            | 0.00              | 0.00 | 0.43 | 3.36 | 7.87 | 14.0 | 20.6 | 25.9 | 28.9              | 29.5 | 28.1 | 24.3 | 18.2 | 11.3 | 6.01 | 2.27 | 0.05    | 0.00 | ---  | 221  |      |

one-half-peak spread: U:21.2,D:21.7 , L:25.2,R:17.1

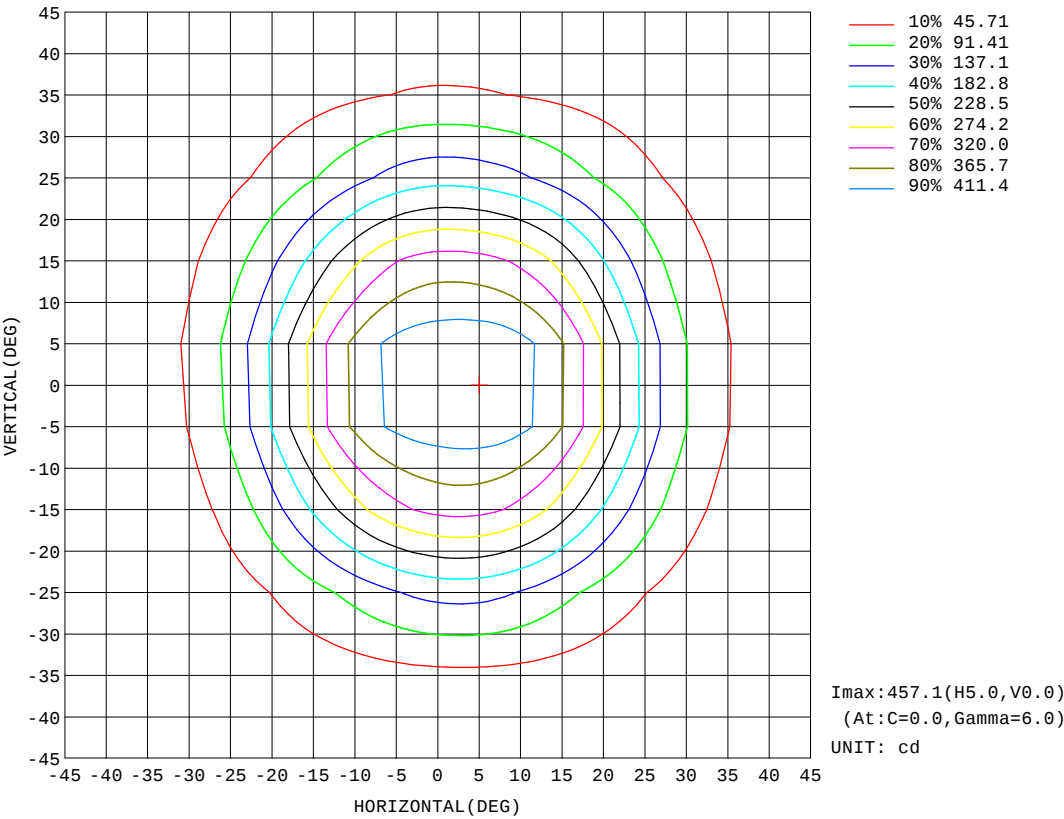
NEMA Beam Type: Type 4

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0616A P:7.490W PF:0.4381 Freq:50.00Hz Lamp Flux:235.147x1 lm |          |                       |
| NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM-R                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

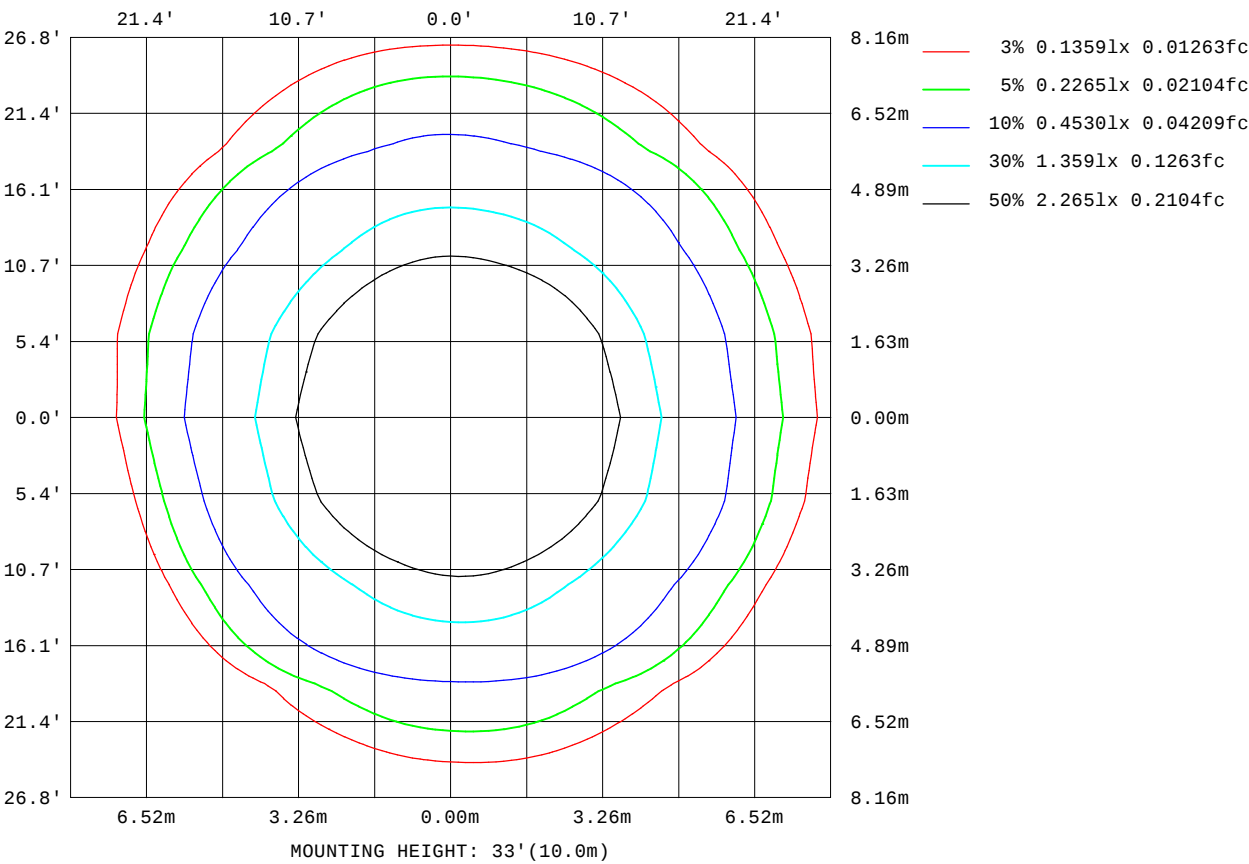


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

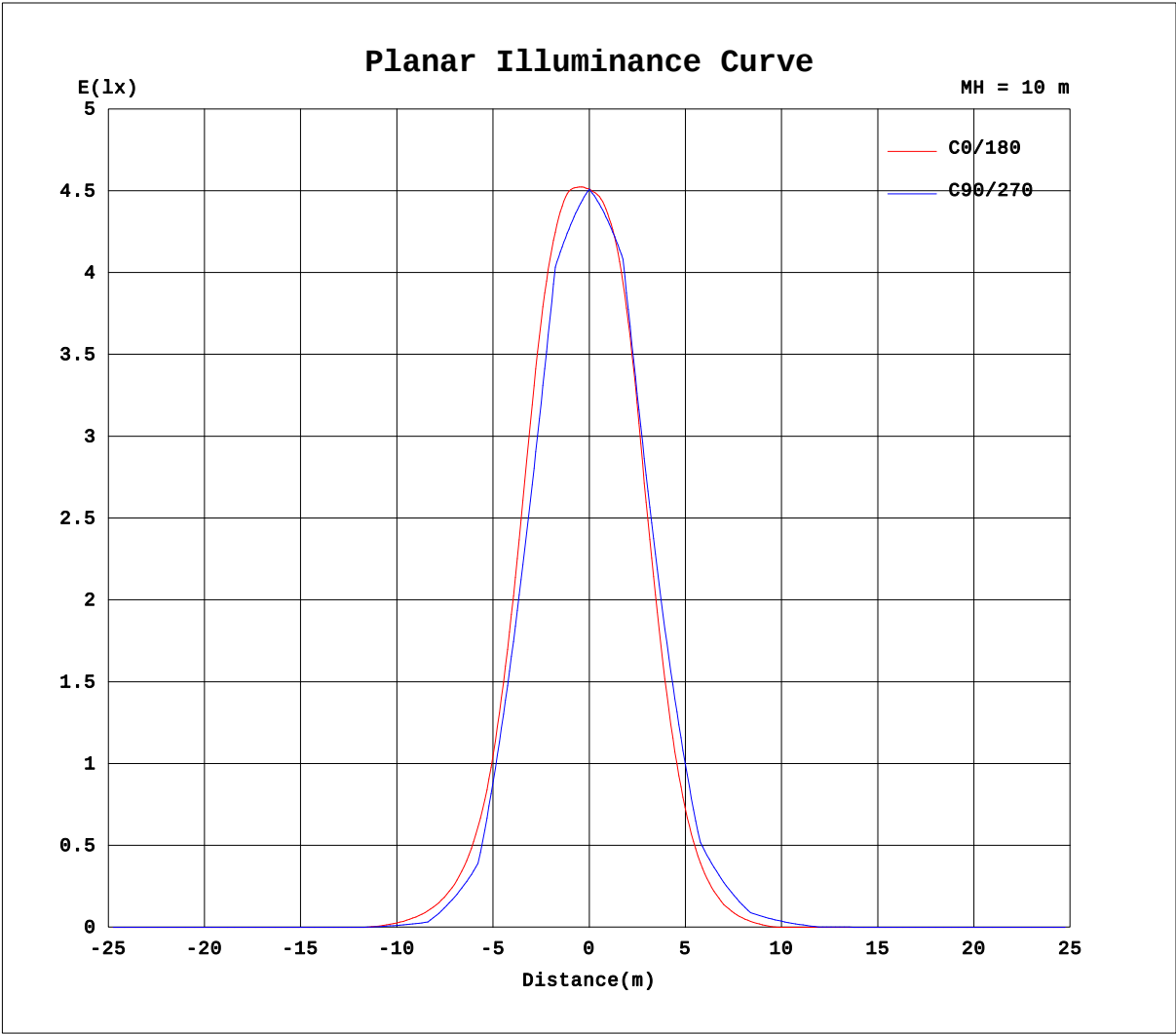
|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0616A P:7.490W PF:0.4381 Freq:50.00Hz Lamp Flux:235.147x1 lm |          |                       |
| NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM-R                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

Planar Illuminance Curve

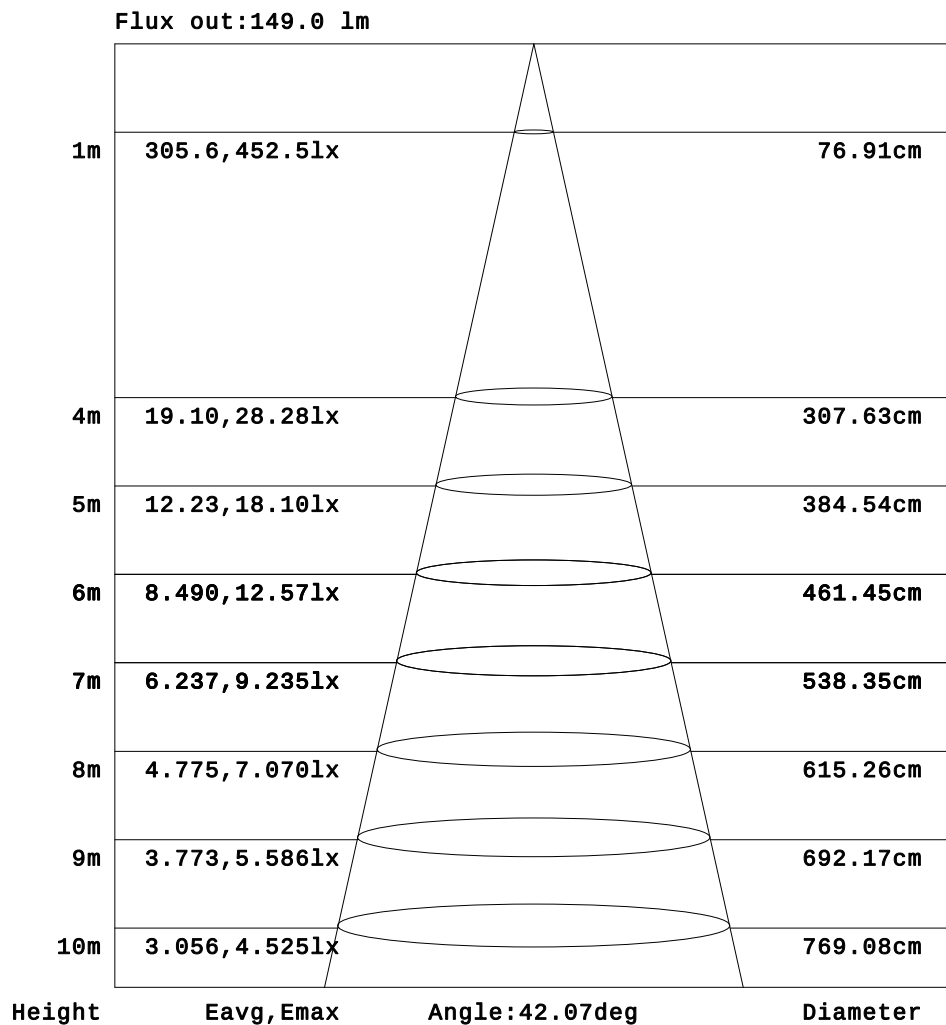


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0616A P:7.490W PF:0.4381 Freq:50.00Hz Lamp Flux:235.147x1 lm |          |                       |
| NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM-R                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0616A P:7.490W PF:0.4381 Freq:50.00Hz Lamp Flux:235.147x1 lm |          |                       |
| NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM-R                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

|           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|
| Table--1  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |      |      |
| H(°)\V(°) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10      | -5   | 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       | 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 |
| -75       | 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 |
| -70       | 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 |
| -65       | 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 |
| -60       | 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 |
| -55       | 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 |
| -50       | 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 |
| -45       | 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 | 1.11     | 2.70 | 3.62 |
| -40       | 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 | 2.88     | 5.92 | 7.42 |
| -35       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 4.32 | 9.16 | 15.2 | 22.5     | 29.5 | 33.6 |
| -30       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 10.4 | 20.6 | 33.0 | 45.1     | 55.3 | 60.4 |
| -25       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 10.2 | 24.8 | 47.2 | 76.0 | 106      | 134  | 152  |
| -20       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 8.62 | 22.6 | 46.8 | 84.6 | 131  | 180      | 223  | 245  |
| -15       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 11.3 | 29.1 | 63.2 | 120  | 189  | 257      | 307  | 332  |
| -10       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.84 | 19.4 | 46.2 | 98.5 | 181  | 274  | 358      | 405  | 423  |
| -5        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 19.7 | 47.9 | 101  | 186  | 286  | 375      | 420  | 436  |
| 0         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 9.64 | 28.5 | 66.4 | 133  | 230  | 339  | 417      | 445  | 452  |
| 5         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.10 | 22.9 | 53.1 | 107  | 190  | 289  | 377      | 424  | 439  |
| 10        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 9.41 | 26.6 | 57.5 | 110  | 189  | 280  | 363      | 412  | 428  |
| 15        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.16 | 17.8 | 39.0 | 74.4 | 128  | 197  | 266      | 318  | 339  |
| 20        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 15.6 | 32.4 | 57.4 | 93.9 | 142  | 195      | 237  | 252  |
| 25        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 8.25 | 19.4 | 35.7 | 58.6 | 88.8 | 123      | 152  | 166  |
| 30        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 | 12.1 | 21.9 | 34.2 | 48.6 | 64.1     | 76.3 | 80.1 |
| 35        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 5.29 | 11.9 | 19.9 | 29.0 | 38.7     | 46.7 | 50.1 |
| 40        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 4.85 | 9.15 | 13.2 | 16.9     | 19.4 | 20.2 |
| 45        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 2.00 | 4.15 | 6.21 | 8.18     | 10.0 | 10.8 |
| 50        | 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 | 0.28     | 1.10 | 1.43 |
| 55        | 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 | 0.04     | 0.49 | 0.70 |
| 60        | 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 |
| 65        | 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 |
| 70        | 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 |
| 75        | 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        | 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 |
| 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: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0616A P:7.490W PF:0.4381 Freq:50.00Hz Lamp Flux:235.147x1 lm |          |                       |
| NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM-R                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

| Table--2         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|
| H(DEG)<br>V(DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 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              | 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     |  |
| -75              | 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     |  |
| -70              | 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     |  |
| -65              | 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     |  |
| -60              | 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     |  |
| -55              | 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     |  |
| -50              | 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     |  |
| -45              | 3.85 | 3.40 | 2.39 | 0.92 | 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     |  |
| -40              | 7.67 | 6.48 | 4.25 | 1.19 | 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     |  |
| -35              | 34.2 | 30.9 | 24.4 | 17.2 | 10.8 | 5.99 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| -30              | 60.1 | 53.0 | 41.6 | 30.2 | 19.7 | 10.2 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| -25              | 152  | 134  | 105  | 73.8 | 46.8 | 26.6 | 12.7 | 4.26 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| -20              | 239  | 205  | 156  | 106  | 64.7 | 36.5 | 18.3 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| -15              | 333  | 306  | 251  | 179  | 113  | 63.0 | 32.0 | 13.8 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| -10              | 419  | 389  | 317  | 225  | 137  | 74.3 | 36.7 | 15.9 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| -5               | 439  | 423  | 367  | 270  | 170  | 93.0 | 47.2 | 21.8 | 7.50 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 0                | 457  | 442  | 381  | 274  | 167  | 89.0 | 45.0 | 20.7 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 5                | 441  | 425  | 369  | 270  | 168  | 92.7 | 48.2 | 23.3 | 8.89 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 10               | 423  | 393  | 321  | 223  | 135  | 74.2 | 39.0 | 18.8 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 15               | 335  | 310  | 257  | 184  | 115  | 65.9 | 35.6 | 17.7 | 6.65 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 20               | 241  | 210  | 164  | 116  | 73.0 | 42.7 | 23.5 | 11.4 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 25               | 161  | 143  | 116  | 84.3 | 55.9 | 34.0 | 19.2 | 9.20 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 30               | 76.3 | 67.0 | 54.3 | 41.0 | 28.7 | 18.5 | 10.2 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 35               | 48.7 | 43.7 | 36.2 | 27.9 | 19.8 | 12.6 | 6.43 | 2.48 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 40               | 19.5 | 17.6 | 14.7 | 11.5 | 7.71 | 4.04 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 45               | 10.6 | 9.61 | 7.83 | 6.11 | 4.23 | 2.38 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     |  |
| 50               | 1.31 | 0.96 | 0.08 | 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     |  |
| 55               | 0.69 | 0.56 | 0.15 | 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     |  |
| 60               | 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     |  |
| 65               | 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     |  |
| 70               | 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     |  |
| 75               | 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               | 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     |  |
| 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     |  |

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Test Distance:8.300m [K=1.0000]  
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