

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                                         |                                                                       |
|---------------------------------------------------------|-----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) | 10580.4 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
|---------------------------------------------------------|-----------------------------------------------------------------------|

|             |                |               |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 33.4V x 27.6H |
|             | At 50% of Imax | 12.6V x 13.7H |
|             | At 90% of Imax | 4.4V x 5.7H   |

|           |                |                       |
|-----------|----------------|-----------------------|
| Beam Flux | Total          | 994.5 lumens per klm. |
|           | To 10% of Imax | 676.4 lumens per klm. |
|           | To 50% of Imax | 291.5 lumens per klm. |
|           | To 90% of Imax | 29.9 lumens per klm.  |

|              |        |
|--------------|--------|
| Upward LOR   | 0.0 %  |
| Downward LOR | 99.4 % |

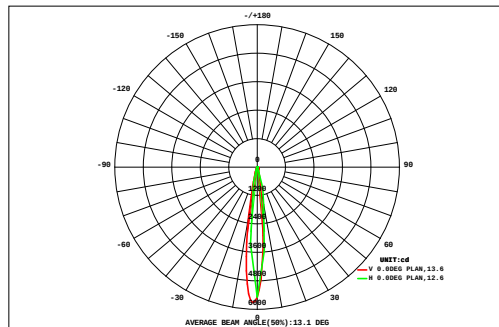
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

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:120.1V I:0.1229A P:9.117W PF:0.6128 Freq:50.00Hz Lamp Flux:539.488x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-W                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070081 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



| DATA OF LAMP     |                      | Eff:59.18lm/W   |          |
|------------------|----------------------|-----------------|----------|
| MODE             | SP-PZT-R135-6P-RDM-W | Imax(cd)        | 5708     |
| NOMINAL POWER(W) | 9                    | AVAILABILITY(%) | 69.7     |
| RATED VOLTAGE(V) | 120                  | Avai. FLUX(lm)  | 376.1    |
| NOMINAL FLUX(lm) | 539.488              | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1                    | TOTAL FLUX(lm)  | 539.5    |
| TEST VOLTAGE(V)  | 120                  | θ @50%(H,V)     | 14,13DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|------|
|                | 27                | 0.11 | 0.13 | 0.16 | 0.18 | 0.21 | 0.23 | 0.26 | 0.28             | 0.29 | 0.30 | 0.29 | 0.28 | 0.26 | 0.24 | 0.21 | 0.19    | 0.16 | 0.14 | 3.92 | 0.00 |
|                | 24                | 0.13 | 0.16 | 0.20 | 0.23 | 0.28 | 0.32 | 0.37 | 0.41             | 0.44 | 0.45 | 0.44 | 0.42 | 0.38 | 0.33 | 0.28 | 0.24    | 0.20 | 0.16 | 5.44 | 0.00 |
|                | 21                | 0.15 | 0.19 | 0.23 | 0.27 | 0.32 | 0.38 | 0.44 | 0.49             | 0.53 | 0.55 | 0.54 | 0.50 | 0.45 | 0.39 | 0.33 | 0.28    | 0.23 | 0.19 | 6.46 | 0.00 |
|                | 18                | 0.17 | 0.21 | 0.25 | 0.31 | 0.37 | 0.44 | 0.51 | 0.58             | 0.62 | 0.64 | 0.63 | 0.59 | 0.53 | 0.45 | 0.38 | 0.32    | 0.26 | 0.21 | 7.48 | 0.00 |
|                | 15                | 0.19 | 0.24 | 0.31 | 0.41 | 0.55 | 0.75 | 1.04 | 1.44             | 1.86 | 2.09 | 1.96 | 1.58 | 1.16 | 0.83 | 0.59 | 0.44    | 0.33 | 0.25 | 16.0 | 7.23 |
|                | 12                | 0.21 | 0.27 | 0.36 | 0.48 | 0.65 | 0.93 | 1.33 | 1.88             | 2.48 | 2.81 | 2.62 | 2.08 | 1.49 | 1.04 | 0.72 | 0.51    | 0.38 | 0.28 | 20.5 | 12.6 |
|                | 9                 | 0.23 | 0.30 | 0.40 | 0.54 | 0.76 | 1.10 | 1.61 | 2.32             | 3.10 | 3.53 | 3.29 | 2.58 | 1.83 | 1.25 | 0.84 | 0.59    | 0.43 | 0.31 | 25.0 | 17.5 |
|                |                   | 0.24 | 0.31 | 0.43 | 0.60 | 0.91 | 1.49 | 2.72 | 4.90             | 7.31 | 8.38 | 7.61 | 5.35 | 3.12 | 1.71 | 1.02 | 0.67    | 0.46 | 0.33 | 47.6 | 41.4 |
|                |                   | 0.25 | 0.33 | 0.45 | 0.67 | 1.07 | 1.90 | 3.94 | 7.74             | 12.0 | 13.7 | 12.4 | 8.39 | 4.53 | 2.20 | 1.20 | 0.74    | 0.50 | 0.34 | 72.4 | 66.5 |
|                |                   | 0.26 | 0.35 | 0.48 | 0.73 | 1.21 | 2.24 | 4.84 | 9.78             | 15.3 | 17.6 | 15.8 | 10.6 | 5.58 | 2.59 | 1.37 | 0.82    | 0.54 | 0.36 | 90.4 | 84.8 |
|                |                   | 0.25 | 0.34 | 0.48 | 0.72 | 1.19 | 2.20 | 4.72 | 9.50             | 14.8 | 17.0 | 15.3 | 10.3 | 5.44 | 2.55 | 1.35 | 0.81    | 0.53 | 0.36 | 87.9 | 82.1 |
|                |                   | 0.22 | 0.30 | 0.40 | 0.57 | 0.85 | 1.38 | 2.46 | 4.34             | 6.42 | 7.37 | 6.70 | 4.75 | 2.80 | 1.57 | 0.96 | 0.63    | 0.44 | 0.31 | 42.5 | 36.2 |
| -9             | 0.21              | 0.28 | 0.37 | 0.52 | 0.74 | 1.10 | 1.69 | 2.58 | 3.53             | 4.06 | 3.74 | 2.85 | 1.90 | 1.24 | 0.83 | 0.57 | 0.41    | 0.30 | 26.9 | 19.9 |      |
| -12            | 0.20              | 0.26 | 0.35 | 0.46 | 0.62 | 0.82 | 0.93 | 0.81 | 0.75             | 0.87 | 0.85 | 0.96 | 1.00 | 0.91 | 0.70 | 0.51 | 0.38    | 0.28 | 11.7 | 1.94 |      |
| -15            | 0.16              | 0.21 | 0.28 | 0.36 | 0.48 | 0.67 | 0.95 | 1.37 | 1.81             | 2.03 | 1.89 | 1.48 | 1.05 | 0.73 | 0.53 | 0.39 | 0.29    | 0.22 | 14.9 | 5.87 |      |
| -18            | 0.14              | 0.18 | 0.23 | 0.29 | 0.36 | 0.45 | 0.55 | 0.68 | 0.79             | 0.84 | 0.81 | 0.70 | 0.58 | 0.47 | 0.38 | 0.30 | 0.24    | 0.18 | 8.17 | 0.00 |      |
| -21            | 0.12              | 0.15 | 0.18 | 0.22 | 0.24 | 0.23 | 0.16 | 0.08 | 0.04             | 0.02 | 0.03 | 0.06 | 0.13 | 0.21 | 0.23 | 0.21 | 0.18    | 0.15 | 2.61 | 0.00 |      |
| -24            | 0.10              | 0.12 | 0.15 | 0.18 | 0.20 | 0.20 | 0.20 | 0.22 | 0.24             | 0.25 | 0.24 | 0.23 | 0.21 | 0.19 | 0.20 | 0.18 | 0.15    | 0.12 | 3.38 | 0.00 |      |
| -27            | -27               | -24  | -21  | -18  | -15  | -12  | -9   | -6   | HORIZONTAL (DEG) |      |      |      | 6    | 9    | 12   | 15   | 18      | 21   | 24   | 27   |      |
| Φ t            | 3.35              | 4.34 | 5.70 | 7.74 | 11.0 | 16.8 | 28.7 | 49.4 | 72.3             | 82.5 | 75.2 | 53.7 | 32.4 | 18.9 | 12.1 | 8.41 | 6.10    | 4.51 | 493  | ---  |      |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.00 | 0.35 | 6.88 | 21.1 | 43.8 | 68.3             | 79.2 | 71.6 | 48.8 | 25.6 | 9.58 | 0.95 | 0.00 | 0.00    | 0.00 | ---  | 376  |      |

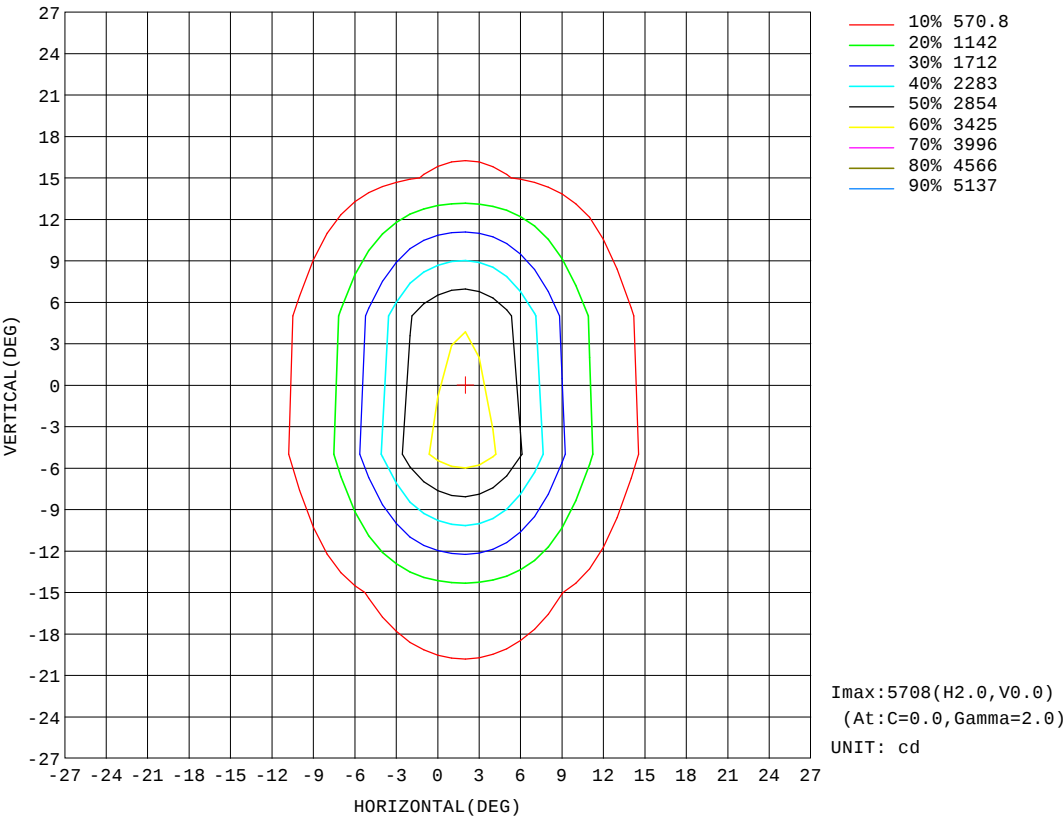
one-half-peak spread: U:6.7,D:5.9 , L:7.1,R:6.6NEMA Beam Type: Type 2 x 3 (H x V)

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:

ISOCANDELA DIAGRAM

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:120.1V I:0.1229A P:9.117W PF:0.6128 Freq:50.00Hz Lamp Flux:539.488x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-W                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070081 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

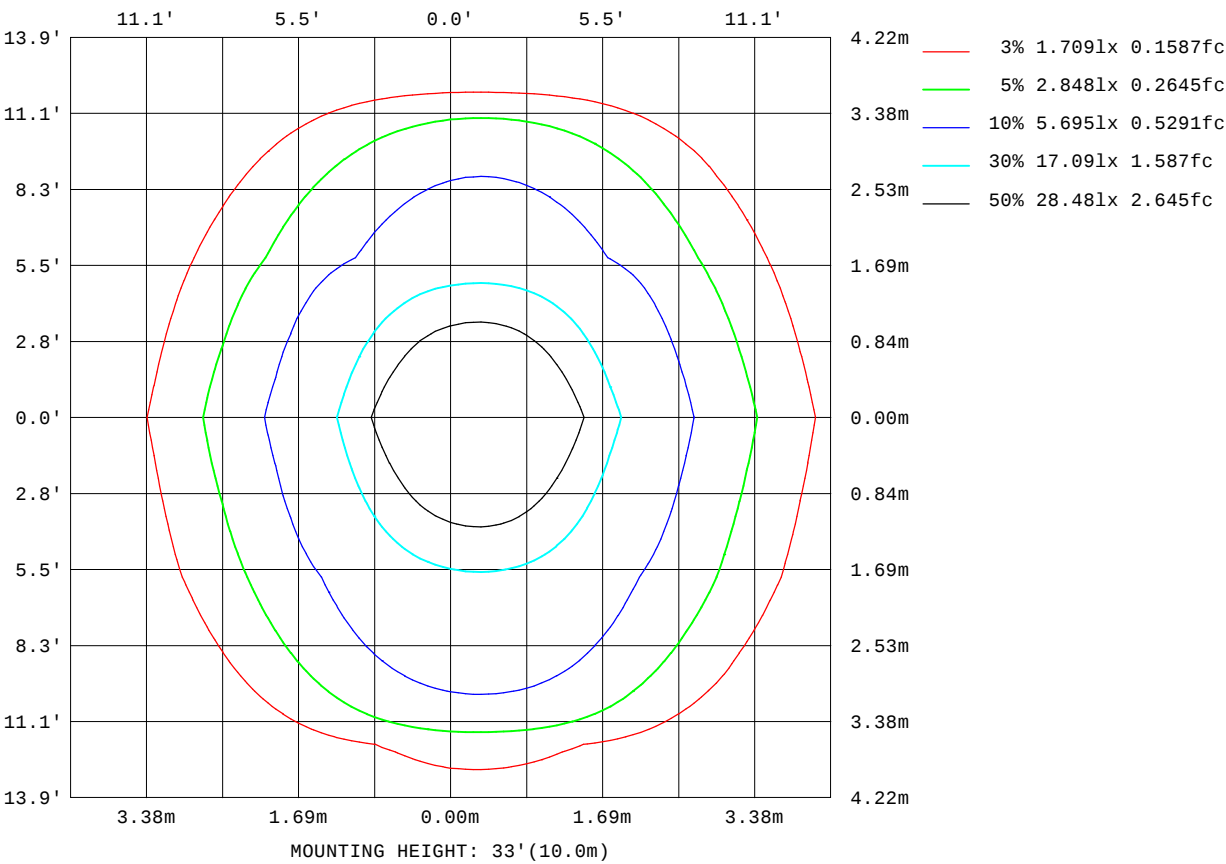


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

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

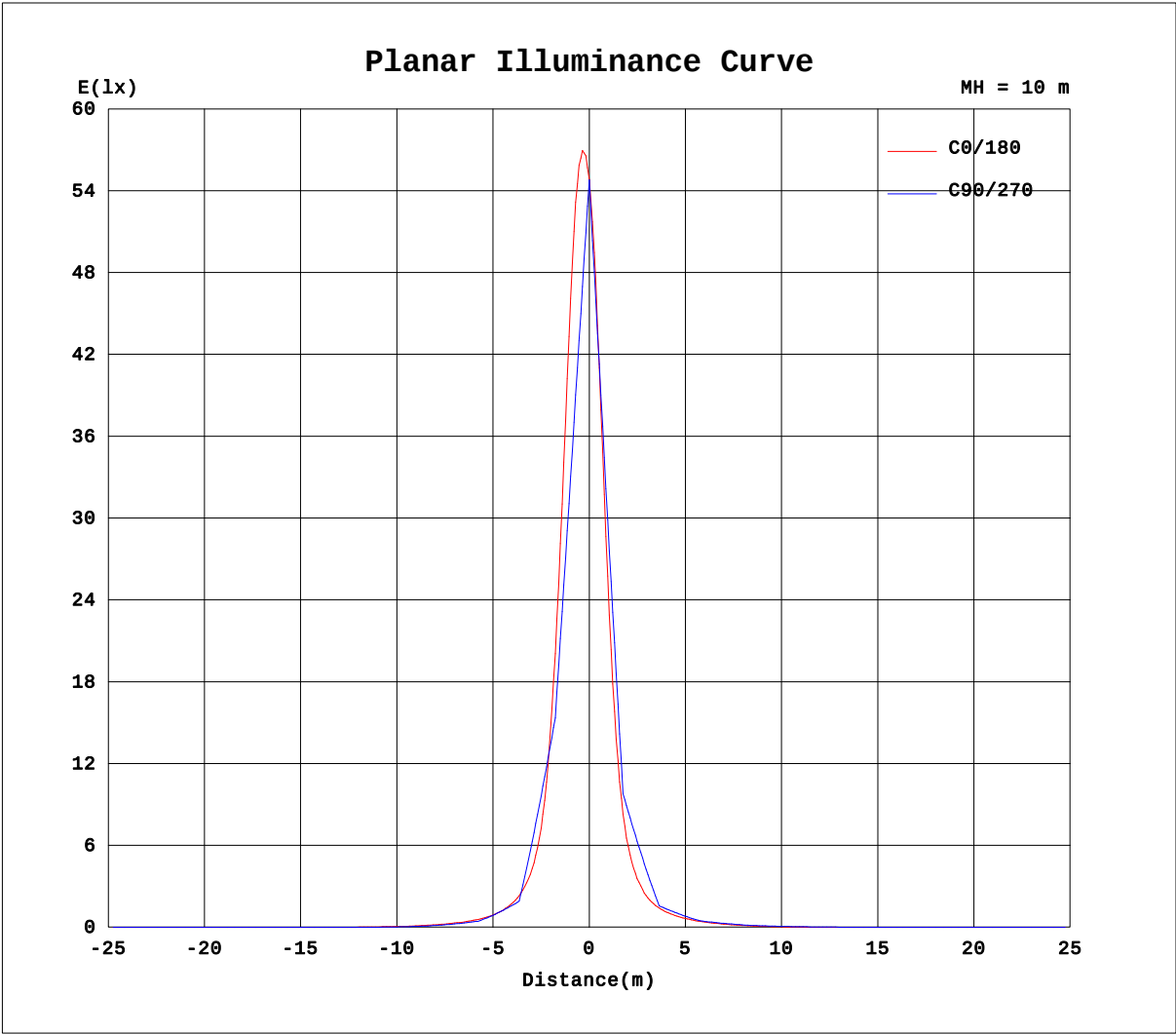
|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:120.1V I:0.1229A P:9.117W PF:0.6128 Freq:50.00Hz Lamp Flux:539.488x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-W                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070081 |
| 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

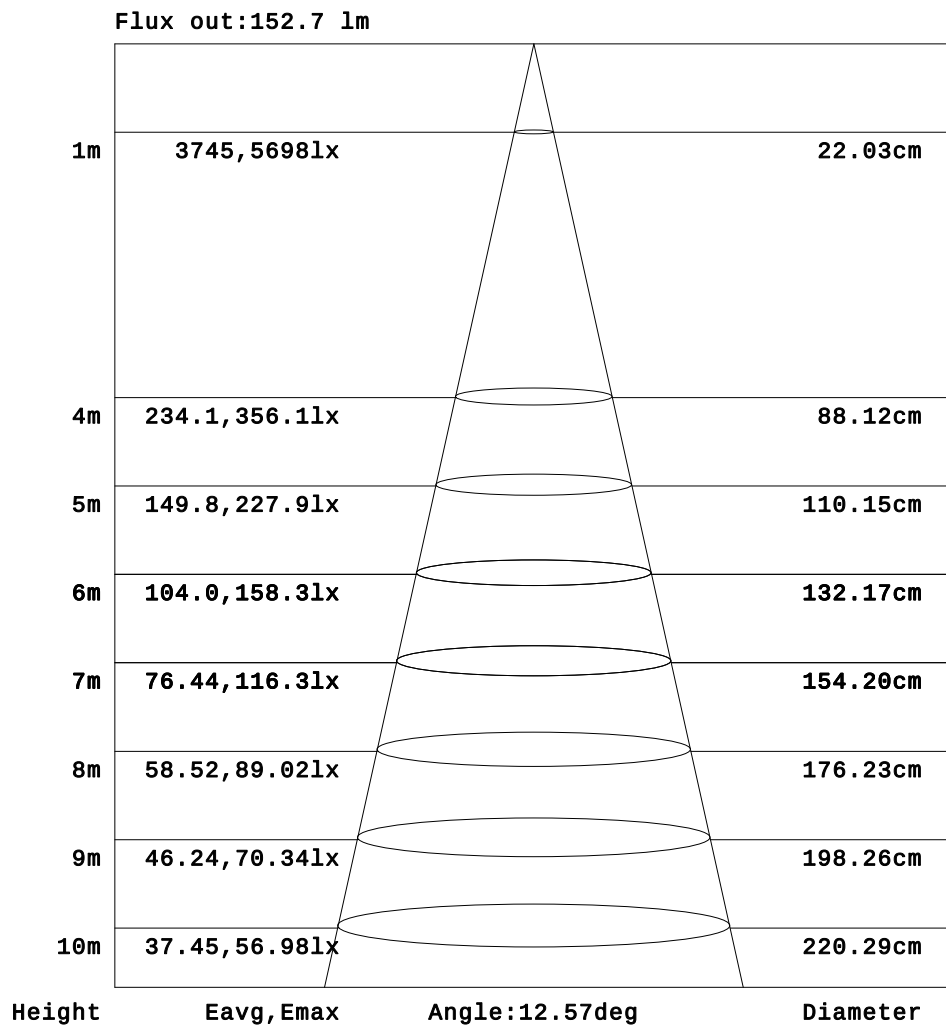


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

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:120.1V I:0.1229A P:9.117W PF:0.6128 Freq:50.00Hz Lamp Flux:539.488x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-W                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070081 |
| 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:120.1V I:0.1229A P:9.117W PF:0.6128 Freq:50.00Hz Lamp Flux:539.488x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-W                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070081 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

| Table--1         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |      |      |  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|--|
| H(DEG)<br>V(DEG) | -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 | 0.75 | 2.78 | 4.98 | 7.55 | 9.87     | 11.5 | 12.3 |  |
| -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 | 1.51 | 5.56 | 9.97 | 15.1 | 19.7     | 23.0 | 24.7 |  |
| -35              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 4.56 | 9.61 | 16.8 | 24.6 | 32.7 | 40.0     | 45.0 | 47.5 |  |
| -30              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 9.12 | 17.7 | 28.0 | 39.3 | 50.3 | 60.3     | 67.1 | 70.4 |  |
| -25              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 | 8.33 | 17.0 | 28.7 | 42.9 | 61.1 | 83.2 | 108      | 134  | 151  |  |
| -20              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 14.3 | 25.0 | 39.6 | 57.8 | 82.8 | 116  | 156      | 200  | 232  |  |
| -15              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 8.34 | 17.9 | 30.7 | 49.6 | 73.9 | 111  | 176  | 307      | 591  | 921  |  |
| -10              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 10.9 | 21.5 | 36.4 | 59.6 | 90.0 | 140  | 236  | 458      | 981  | 1609 |  |
| -5               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.76 | 12.2 | 23.8 | 40.7 | 64.4 | 98.1 | 156  | 287  | 664      | 1940 | 3546 |  |
| 0                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 13.6 | 26.0 | 45.0 | 69.1 | 106  | 172  | 338  | 870      | 2899 | 5483 |  |
| 5                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 13.0 | 25.5 | 43.5 | 65.1 | 97.9 | 153  | 277  | 623      | 1788 | 3255 |  |
| 10               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 12.4 | 25.0 | 42.0 | 61.1 | 89.6 | 134  | 215  | 376      | 676  | 1027 |  |
| 15               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 | 11.1 | 22.1 | 36.5 | 52.8 | 75.6 | 108  | 162  | 258      | 424  | 609  |  |
| 20               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 9.84 | 19.2 | 31.0 | 44.6 | 61.7 | 82.8 | 109  | 141      | 172  | 192  |  |
| 25               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 7.16 | 15.1 | 24.8 | 35.9 | 49.0 | 64.3 | 82.5 | 103      | 122  | 134  |  |
| 30               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.47 | 11.0 | 18.7 | 27.2 | 36.3 | 45.9 | 55.7 | 64.8     | 71.9 | 75.8 |  |
| 35               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 7.13 | 13.5 | 20.3 | 27.2 | 34.3 | 41.3 | 47.6     | 52.4 | 55.0 |  |
| 40               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 8.18 | 13.3 | 18.1 | 22.7 | 27.0 | 30.5     | 32.9 | 34.3 |  |
| 45               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 4.09 | 7.62 | 11.6 | 15.1 | 18.3 | 20.8     | 22.5 | 23.5 |  |
| 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 | 1.89 | 5.03 | 7.49 | 9.53 | 11.1     | 12.2 | 12.7 |  |
| 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 | 0.94 | 2.51 | 3.75 | 4.76 | 5.55     | 6.08 | 6.36 |  |
| 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 G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:120.1V I:0.1229A P:9.117W PF:0.6128 Freq:50.00Hz Lamp Flux:539.488x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-W                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070081 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

|             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| Table--2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |      |
| H(°) \ V(°) | 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         | 12.3 | 11.3 | 9.62 | 6.97 | 4.63 | 2.51 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -40         | 24.6 | 22.6 | 19.2 | 13.9 | 9.26 | 5.03 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -35         | 47.5 | 44.6 | 39.0 | 31.0 | 23.1 | 15.1 | 8.26 | 3.69 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -30         | 70.3 | 66.6 | 58.7 | 48.1 | 36.9 | 25.1 | 15.5 | 7.38 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -25         | 149  | 129  | 103  | 77.8 | 55.5 | 38.1 | 24.4 | 13.9 | 5.73 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -20         | 227  | 191  | 147  | 107  | 74.1 | 51.0 | 33.2 | 20.4 | 10.5 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -15         | 864  | 507  | 271  | 160  | 101  | 65.5 | 41.8 | 25.1 | 13.8 | 5.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -10         | 1501 | 823  | 396  | 213  | 127  | 80.0 | 50.3 | 29.9 | 17.1 | 7.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -5          | 3224 | 1462 | 523  | 247  | 139  | 85.8 | 54.5 | 33.0 | 18.3 | 8.26 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 0           | 4947 | 2102 | 649  | 281  | 151  | 91.5 | 58.6 | 36.1 | 19.5 | 9.10 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 5           | 2960 | 1356 | 494  | 238  | 136  | 85.9 | 56.3 | 35.3 | 19.6 | 8.93 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 10          | 974  | 609  | 339  | 194  | 122  | 80.3 | 53.9 | 34.6 | 19.8 | 8.76 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 15          | 582  | 388  | 236  | 148  | 99.0 | 68.1 | 46.9 | 30.5 | 17.6 | 7.35 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 20          | 190  | 166  | 133  | 102  | 76.3 | 56.0 | 39.9 | 26.4 | 15.3 | 5.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 25          | 133  | 119  | 98.6 | 78.2 | 60.3 | 45.2 | 32.6 | 21.5 | 12.2 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 30          | 75.6 | 71.3 | 63.8 | 54.5 | 44.4 | 34.4 | 25.3 | 16.5 | 9.09 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 35          | 55.0 | 52.2 | 47.1 | 40.6 | 33.3 | 25.9 | 18.7 | 11.7 | 5.50 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 40          | 34.4 | 33.1 | 30.4 | 26.6 | 22.2 | 17.3 | 12.1 | 6.85 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 45          | 23.6 | 22.7 | 20.9 | 18.2 | 14.9 | 11.0 | 6.74 | 3.42 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 50          | 12.7 | 12.3 | 11.3 | 9.71 | 7.55 | 4.69 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 55          | 6.36 | 6.17 | 5.66 | 4.85 | 3.77 | 2.34 | 0.71 | 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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