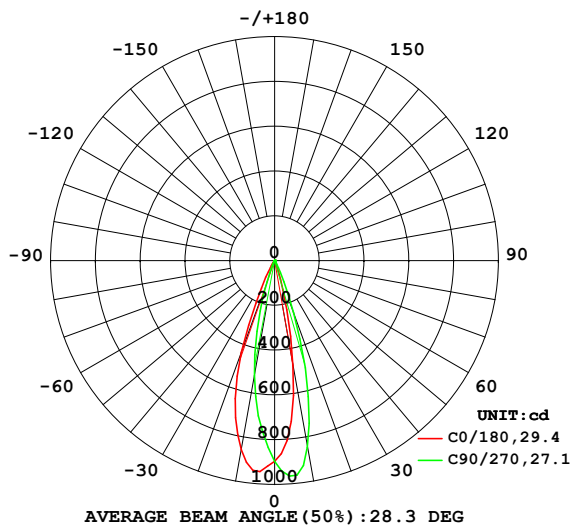


## LUMINAIRE PHOTOMETRIC TEST REPORT

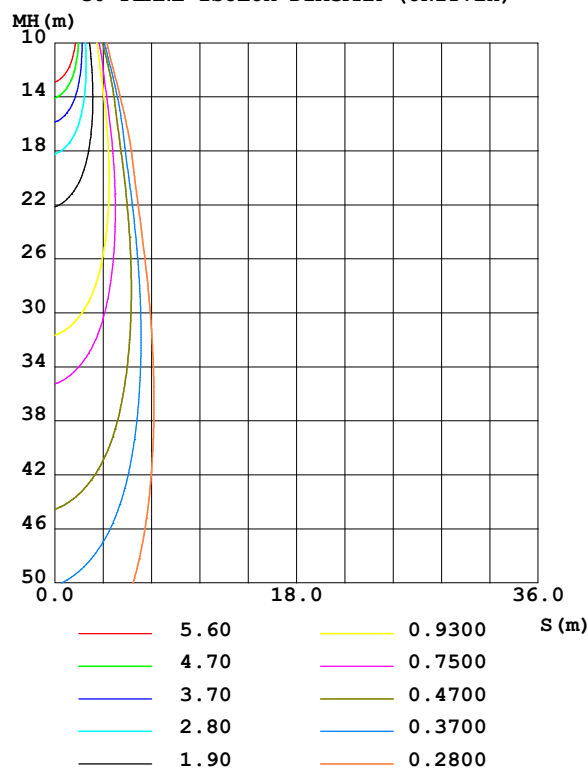
|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |          |                  |
| NAME: DL6017 3000K RA90 30D   | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |

| DATA OF LAMP     |                       | PHOTOMETRIC DATA Eff: 33.28 lm/W |        |                   |          |
|------------------|-----------------------|----------------------------------|--------|-------------------|----------|
| MODEL            | DL6017 3000K RA90 30D | I <sub>max</sub> (cd)            | 1042   | S/MH(C0/180)      | 0.59     |
| NOMINAL POWER(W) | 8                     | LOR(%)                           | 100.0  | S/MH(C90/270)     | 0.39     |
| RATED VOLTAGE(V) | 220                   | TOTAL FLUX(lm)                   | 252.45 | η UP,DN(C0-180)   | 0.4,55.0 |
| NOMINAL FLUX(lm) | 252.448               | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 0.4,44.1 |
| LAMPS INSIDE     | 1                     | η up (%)                         | 0.9    | CIBSE SHR NOM     | 0.00     |
| TEST VOLTAGE(V)  | 220                   | η down (%)                       | 99.1   | CIBSE SHR MAX     | 0.30     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: 001  
Test Date: 2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 8.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 476.3                 | 626.7  | 845.8  | 967.4  | 857.5  | 669.1  | 522.4  | 437.1  | 0- 10    | 75.85       | 75.85        | 30,30      |
| 20       | 45.99                 | 107.7  | 246.6  | 468.5  | 435.8  | 256.2  | 99.17  | 56.92  | 10- 20   | 116.7       | 192.5        | 76.3,76.3  |
| 30       | 7.547                 | 12.41  | 24.39  | 45.79  | 56.46  | 25.89  | 11.13  | 7.628  | 20- 30   | 40.96       | 233.5        | 92.5,92.5  |
| 40       | 4.082                 | 3.870  | 6.039  | 9.073  | 8.131  | 6.404  | 4.023  | 4.026  | 30- 40   | 7.489       | 240.9        | 95.4,95.4  |
| 50       | 3.088                 | 3.112  | 3.713  | 4.011  | 3.962  | 3.891  | 3.167  | 3.029  | 40- 50   | 3.299       | 244.2        | 96.8,96.8  |
| 60       | 2.059                 | 2.220  | 2.665  | 3.028  | 2.987  | 2.709  | 2.189  | 1.975  | 50- 60   | 2.678       | 246.9        | 97.8,97.8  |
| 70       | 1.107                 | 1.320  | 1.676  | 1.986  | 1.977  | 1.689  | 1.270  | 1.033  | 60- 70   | 1.968       | 248.9        | 98.6,98.6  |
| 80       | 0.2940                | 0.5052 | 0.8062 | 0.8557 | 1.038  | 0.7978 | 0.4561 | 0.2356 | 70- 80   | 1.121       | 250.0        | 99,99      |
| 90       | 0                     | 0      | 0.0425 | 0.0002 | 0.1856 | 0      | 0      | 0      | 80- 90   | 0.2778      | 250.3        | 99.1,99.1  |
| 100      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 90-100   | 0.0028      | 250.3        | 99.1,99.1  |
| 110      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 100-110  | 0           | 250.3        | 99.1,99.1  |
| 120      | 0.0371                | 0      | 0      | 0      | 0      | 0      | 0.0085 | 0.0515 | 110-120  | 0.0017      | 250.3        | 99.1,99.1  |
| 130      | 0.3806                | 0.2150 | 0.0806 | 0.0255 | 0.0563 | 0.1176 | 0.2570 | 0.4051 | 120-130  | 0.0691      | 250.4        | 99.2,99.2  |
| 140      | 0.9641                | 0.7163 | 0.4815 | 0.3753 | 0.4164 | 0.5596 | 0.8089 | 1.009  | 130-140  | 0.3136      | 250.7        | 99.3,99.3  |
| 150      | 1.476                 | 1.294  | 1.086  | 0.9733 | 1.011  | 1.154  | 1.369  | 1.518  | 140-150  | 0.5958      | 251.3        | 99.5,99.5  |
| 160      | 1.469                 | 1.499  | 1.496  | 1.475  | 1.541  | 1.535  | 1.546  | 1.475  | 150-160  | 0.6497      | 251.9        | 99.8,99.8  |
| 170      | 1.090                 | 1.254  | 1.405  | 1.467  | 1.463  | 1.382  | 1.206  | 1.042  | 160-170  | 0.4075      | 252.3        | 100,100    |
| 180      | 1.103                 | 1.126  | 1.115  | 1.119  | 1.143  | 1.148  | 1.123  | 1.111  | 170-180  | 0.1148      | 252.4        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 243.04 lm

%lum = 96.3%

%lamp = 96.3%

Conical surface Flux(130deg): 248.2 lm

%lum = 98.3%

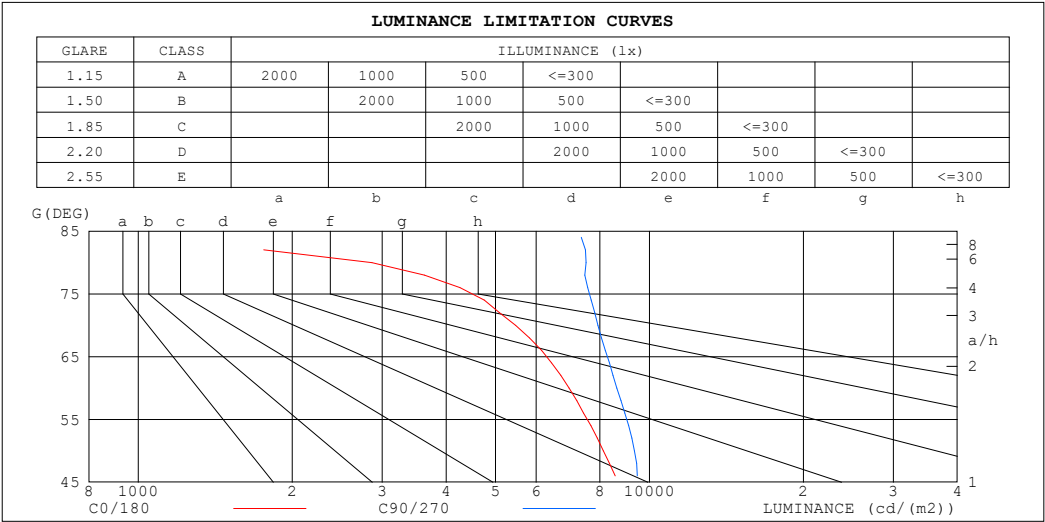
%lamp = 98.3%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:001  
 Test Date:2025-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
 Humidity:65.0%  
 Test Distance:8.370m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz |          |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm    |          |                  |
| NAME: DL6017 3000K RA90 30D                               | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |



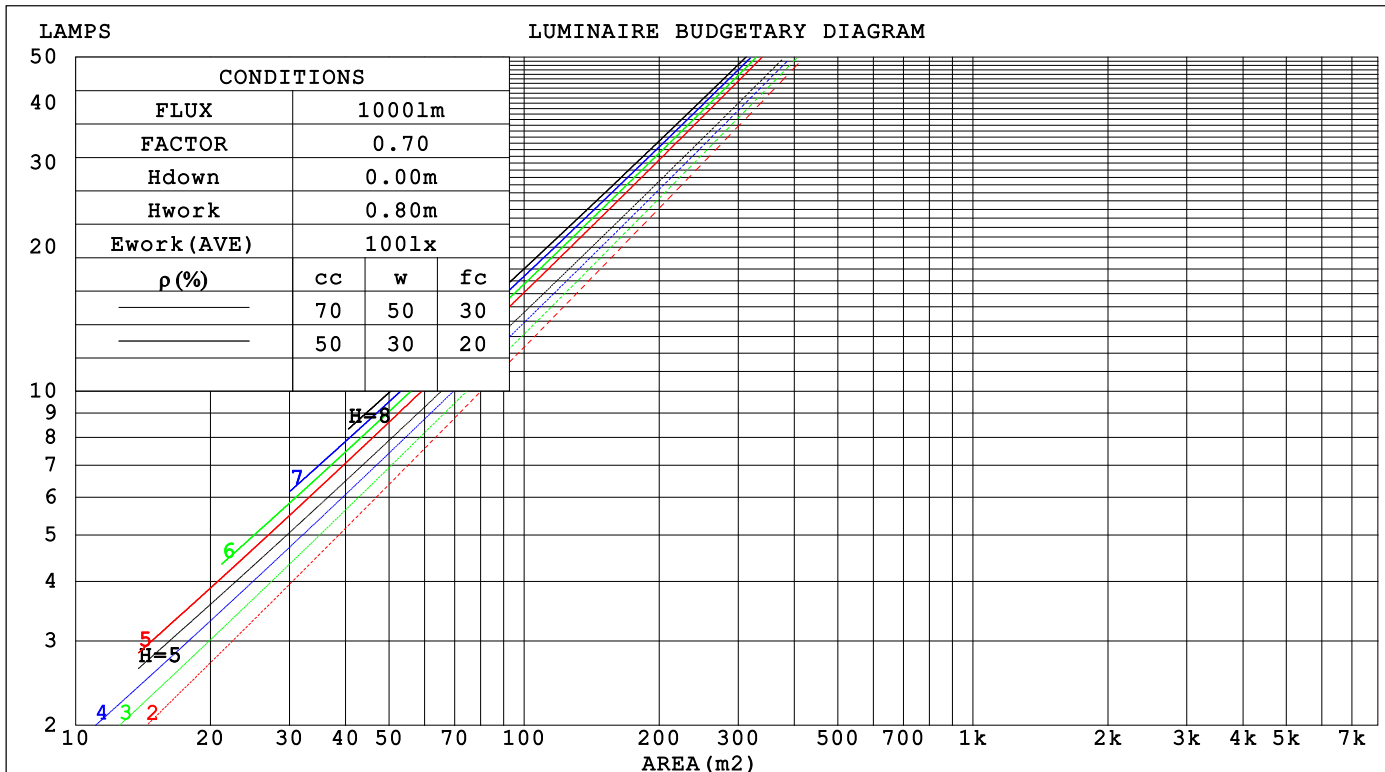
| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 172    | 8815    |
| 80                | 2864   | 7512    |
| 75                | 5058   | 8195    |
| 70                | 5476   | 7928    |
| 65                | 6673   | 8657    |
| 60                | 6965   | 8625    |
| 55                | 7865   | 9327    |
| 50                | 8127   | 9347    |
| 45                | 8905   | 9840    |

|                      |   |
|----------------------|---|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 22.5DEG  | γ Interval: 2.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456 |
| Temperature:25.3℃    | Humidity:65.0%                                    |
| Operators:001        | Test Distance:8.370m [K=1.0000]                   |
| Test Date:2025-05-29 | Remarks:  |

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz |          |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm    |          |                  |
| NAME: DL6017 3000K RA90 30D                               | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |

| pcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| pw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | RCR:Room Cavity Ratio                      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19   | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0  | 1.12   | 1.10 | 1.08 | 1.10 | 1.08 | 1.06 | 1.06 | 1.04 | 1.03 | 1.02 | 1.01 | .00  | .98  | .98  | .97  | .95 |
| 2.0  | 1.06   | 1.03 | 1.00 | 1.05 | 1.02 | .99  | 1.01 | .99  | .97  | .98  | .96  | .95  | .96  | .94  | .93  | .91 |
| 3.0  | 1.01   | .97  | .94  | .00  | .96  | .94  | .97  | .94  | .92  | .95  | .93  | .91  | .93  | .91  | .89  | .88 |
| 4.0  | .97  | .93  | .90  | .96  | .92  | .89  | .94  | .90  | .88  | .92  | .89  | .87  | .90  | .88  | .86  | .84 |
| 5.0  | .93  | .89  | .85  | .92  | .88  | .85  | .90  | .87  | .84  | .89  | .86  | .83  | .87  | .85  | .83  | .82 |
| 6.0  | .90  | .85  | .82  | .89  | .85  | .82  | .87  | .84  | .81  | .86  | .83  | .81  | .85  | .82  | .80  | .79 |
| 7.0  | .86  | .82  | .79  | .86  | .82  | .79  | .85  | .81  | .78  | .84  | .80  | .78  | .82  | .80  | .77  | .76 |
| 8.0  | .84  | .79  | .76  | .83  | .79  | .76  | .82  | .78  | .76  | .81  | .78  | .75  | .80  | .77  | .75  | .74 |
| 9.0  | .81  | .77  | .74  | .80  | .76  | .74  | .80  | .76  | .73  | .79  | .75  | .73  | .78  | .75  | .73  | .72 |
| 10.0 | .78  | .74  | .71  | .78  | .74  | .71  | .77  | .74  | .71  | .77  | .73  | .71  | .76  | .73  | .71  | .70 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:001  
Test Date:2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:8.370m [K=1.0000]  
Remarks:

### WEC AND CCEC

|   |  |  |                                 |  |  |                        |  |  |
|---|--|--|---------------------------------|--|--|------------------------|--|--|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz |  |  | UTHDi:0.00% ITHDi:0.00% KDisp:0 |  |  | Lamp Flux:252.448x1 lm |  |  |
| NAME: DL6017 3000K RA90 30D                               |  |  | TYPE:                           |  |  | WEIGHT:                |  |  |
| SPEC.:  |  |  | DIM.:                           |  |  | SERIAL No.:            |  |  |
| MFR.: VJC lighting  |  |  | SUR.: 27                        |  |  | Shielding Angle:       |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .148                  | .084 | .027 | .141 | .080 | .026 | .128                            | .073 | .023 | .116 | .067 | .021 | .105 | .061 | .020 |   |  |
| 2.0  | .137                  | .075 | .023 | .131 | .072 | .022 | .121                            | .067 | .021 | .111 | .062 | .019 | .101 | .057 | .018 |   |  |
| 3.0  | .128                  | .068 | .020 | .123 | .066 | .020 | .114                            | .062 | .019 | .105 | .058 | .018 | .098 | .054 | .017 |   |  |
| 4.0  | .119                  | .062 | .018 | .115 | .060 | .018 | .108                            | .057 | .017 | .100 | .054 | .016 | .094 | .051 | .016 |   |  |
| 5.0  | .112                  | .057 | .017 | .109 | .056 | .016 | .102                            | .053 | .016 | .096 | .051 | .015 | .090 | .048 | .014 |   |  |
| 6.0  | .106                  | .053 | .015 | .103 | .052 | .015 | .097                            | .050 | .015 | .092 | .048 | .014 | .087 | .046 | .014 |   |  |
| 7.0  | .101                  | .050 | .014 | .098 | .049 | .014 | .093                            | .047 | .014 | .088 | .045 | .013 | .084 | .044 | .013 |   |  |
| 8.0  | .096                  | .047 | .013 | .093 | .046 | .013 | .089                            | .044 | .013 | .085 | .043 | .012 | .081 | .042 | .012 |   |  |
| 9.0  | .091                  | .044 | .012 | .089 | .044 | .012 | .085                            | .042 | .012 | .082 | .041 | .012 | .078 | .040 | .011 |   |  |
| 10.0 | .088                  | .042 | .012 | .086 | .041 | .012 | .082                            | .040 | .011 | .079 | .039 | .011 | .076 | .038 | .011 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%   |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%   |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .197                  | .197 | .197 | .168 | .168 | .168 | .115  | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 |   |  |
| 1.0  | .176                  | .164 | .154 | .150 | .141 | .132 | .103  | .097 | .092 | .059 | .056 | .053 | .019 | .018 | .017 |   |  |
| 2.0  | .158                  | .139 | .123 | .135 | .120 | .107 | .093  | .083 | .074 | .054 | .048 | .044 | .017 | .016 | .014 |   |  |
| 3.0  | .144                  | .120 | .101 | .123 | .103 | .088 | .085  | .072 | .061 | .049 | .042 | .036 | .016 | .014 | .012 |   |  |
| 4.0  | .132                  | .105 | .084 | .113 | .091 | .073 | .078  | .063 | .052 | .045 | .037 | .031 | .014 | .012 | .010 |   |  |
| 5.0  | .121                  | .093 | .071 | .104 | .080 | .062 | .072  | .056 | .044 | .042 | .033 | .026 | .013 | .011 | .009 |   |  |
| 6.0  | .113                  | .083 | .061 | .097 | .072 | .053 | .067  | .050 | .038 | .039 | .030 | .022 | .012 | .010 | .007 |   |  |
| 7.0  | .105                  | .075 | .053 | .090 | .065 | .046 | .062  | .045 | .033 | .036 | .027 | .020 | .012 | .009 | .006 |   |  |
| 8.0  | .099                  | .068 | .047 | .085 | .059 | .041 | .059  | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 |   |  |
| 9.0  | .093                  | .062 | .042 | .080 | .054 | .036 | .056  | .038 | .026 | .032 | .022 | .015 | .010 | .007 | .005 |   |  |
| 10.0 | .088                  | .058 | .037 | .076 | .050 | .033 | .053  | .035 | .023 | .031 | .021 | .014 | .010 | .007 | .005 |   |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:001  
Test Date:2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:8.370m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|   |                  |      |      |      |      |                |      |                  |      |      |
|---|------------------|------|------|------|------|----------------|------|------------------|------|------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |                  |      |      |      |      |                |      |                  |      |      |
| NAME: DL6017 3000K RA90 30D   |                  |      |      |      |      | TYPE:          |      | WEIGHT:          |      |      |
| SPEC.:  |                  |      |      |      |      | DIM.:          |      | SERIAL No.:      |      |      |
| MFR.: VJC lighting  |                  |      |      |      |      | SUR.: 27       |      | Shielding Angle: |      |      |
| ceiling/cavity  | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5              | 0.5  | 0.3  |
| walls   | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5              | 0.3  | 0.3  |
| working plane   | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2              | 0.2  | 0.2  |
| Room dimensions   | Viewed crosswise |      |      |      |      | Viewed endwise |      |                  |      |      |
| x = 2H y = 2H   | 15.0             | 15.7 | 15.2 | 15.8 | 16.0 | 16.1           | 16.8 | 16.3             | 16.9 | 17.1 |
| 3H  | 16.2             | 16.8 | 16.4 | 17.0 | 17.2 | 17.5           | 18.2 | 17.8             | 18.4 | 18.6 |
| 4H  | 16.6             | 17.2 | 16.8 | 17.4 | 17.6 | 18.2           | 18.8 | 18.4             | 19.0 | 19.2 |
| 6H  | 16.7             | 17.3 | 17.0 | 17.6 | 17.8 | 18.7           | 19.3 | 19.0             | 19.5 | 19.8 |
| 8H  | 16.7             | 17.3 | 17.0 | 17.6 | 17.8 | 18.9           | 19.5 | 19.2             | 19.7 | 20.0 |
| 12H   | 16.7             | 17.2 | 17.0 | 17.5 | 17.8 | 19.0           | 19.6 | 19.4             | 19.9 | 20.1 |
| 4H 2H   | 15.6             | 16.3 | 15.9 | 16.5 | 16.7 | 16.5           | 17.1 | 16.8             | 17.4 | 17.6 |
| 3H  | 17.0             | 17.5 | 17.3 | 17.8 | 18.1 | 18.1           | 18.7 | 18.5             | 19.0 | 19.2 |
| 4H  | 17.5             | 18.0 | 17.8 | 18.3 | 18.6 | 18.9           | 19.4 | 19.2             | 19.7 | 20.0 |
| 6H  | 17.7             | 18.2 | 18.1 | 18.5 | 18.9 | 19.5           | 20.0 | 19.9             | 20.3 | 20.7 |
| 8H  | 17.7             | 18.1 | 18.1 | 18.5 | 18.9 | 19.8           | 20.2 | 20.2             | 20.5 | 20.9 |
| 12H   | 17.7             | 18.0 | 18.1 | 18.4 | 18.8 | 20.0           | 20.3 | 20.4             | 20.7 | 21.1 |
| 8H 4H   | 17.8             | 18.2 | 18.2 | 18.5 | 18.9 | 19.0           | 19.4 | 19.4             | 19.8 | 20.2 |
| 6H  | 18.1             | 18.4 | 18.5 | 18.8 | 19.2 | 19.8           | 20.1 | 20.2             | 20.5 | 20.9 |
| 8H  | 18.1             | 18.4 | 18.5 | 18.8 | 19.3 | 20.1           | 20.4 | 20.5             | 20.8 | 21.3 |
| 12H   | 18.0             | 18.3 | 18.5 | 18.7 | 19.2 | 20.3           | 20.6 | 20.8             | 21.0 | 21.5 |
| 12H 4H  | 17.8             | 18.1 | 18.2 | 18.5 | 18.9 | 19.0           | 19.4 | 19.4             | 19.7 | 20.1 |
| 6H  | 18.1             | 18.4 | 18.6 | 18.8 | 19.3 | 19.7           | 20.0 | 20.2             | 20.5 | 20.9 |
| 8H  | 18.1             | 18.4 | 18.6 | 18.8 | 19.3 | 20.1           | 20.3 | 20.6             | 20.8 | 21.3 |
| Variations with the observer position at spacings(CIE Pub.117):   |                  |      |      |      |      |                |      |                  |      |      |
| S = 1.0H  | + 0.2 / - 0.3    |      |      |      |      | + 0.3 / - 0.2  |      |                  |      |      |
| 1.5H  | + 0.1 / - 0.3    |      |      |      |      | + 0.6 / - 0.2  |      |                  |      |      |
| 2.0H  | + 0.3 / - 0.4    |      |      |      |      | + 0.3 / - 0.4  |      |                  |      |      |

CIE Pub.117, 252.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.8)  
Area: 0.000615 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:001  
Test Date:2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:8.370m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |          |                  |
| NAME: DL6017 3000K RA90 30D   | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |

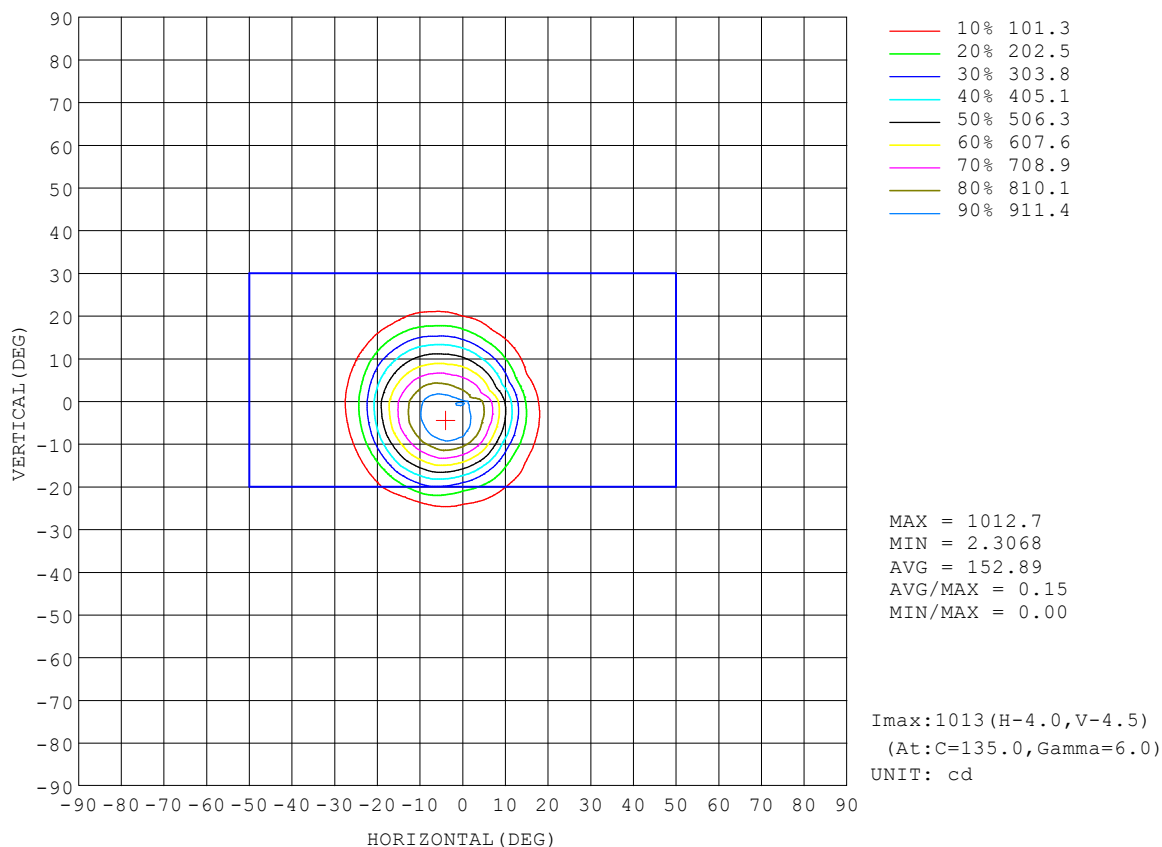
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 89   | 83  | 79        | 88  | 83  | 79  | 87  | 82            | 79  | 75     |
| 0.80                             | 96   | 90  | 87        | 95  | 90  | 87  | 94  | 89            | 86  | 83     |
| 1.00                             | 100  | 95  | 91        | 99  | 94  | 91  | 97  | 94            | 90  | 86     |
| 1.25                             | 104  | 99  | 95        | 103 | 98  | 95  | 101 | 97            | 94  | 90     |
| 1.50                             | 106  | 102 | 98        | 105 | 101 | 98  | 103 | 99            | 97  | 92     |
| 2.00                             | 109  | 105 | 102       | 107 | 103 | 101 | 104 | 101           | 99  | 94     |
| 2.50                             | 110  | 107 | 104       | 109 | 105 | 103 | 105 | 103           | 101 | 95     |
| 3.00                             | 112  | 108 | 106       | 110 | 107 | 105 | 106 | 104           | 102 | 96     |
| 4.00                             | 114  | 111 | 109       | 112 | 109 | 108 | 108 | 106           | 105 | 97     |
| 5.00                             | 115  | 113 | 111       | 113 | 111 | 109 | 109 | 107           | 106 | 98     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3℃  
Operators: 001  
Test Date: 2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 8.370m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |          |                  |
| NAME: DL6017 3000K RA90 30D   | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |



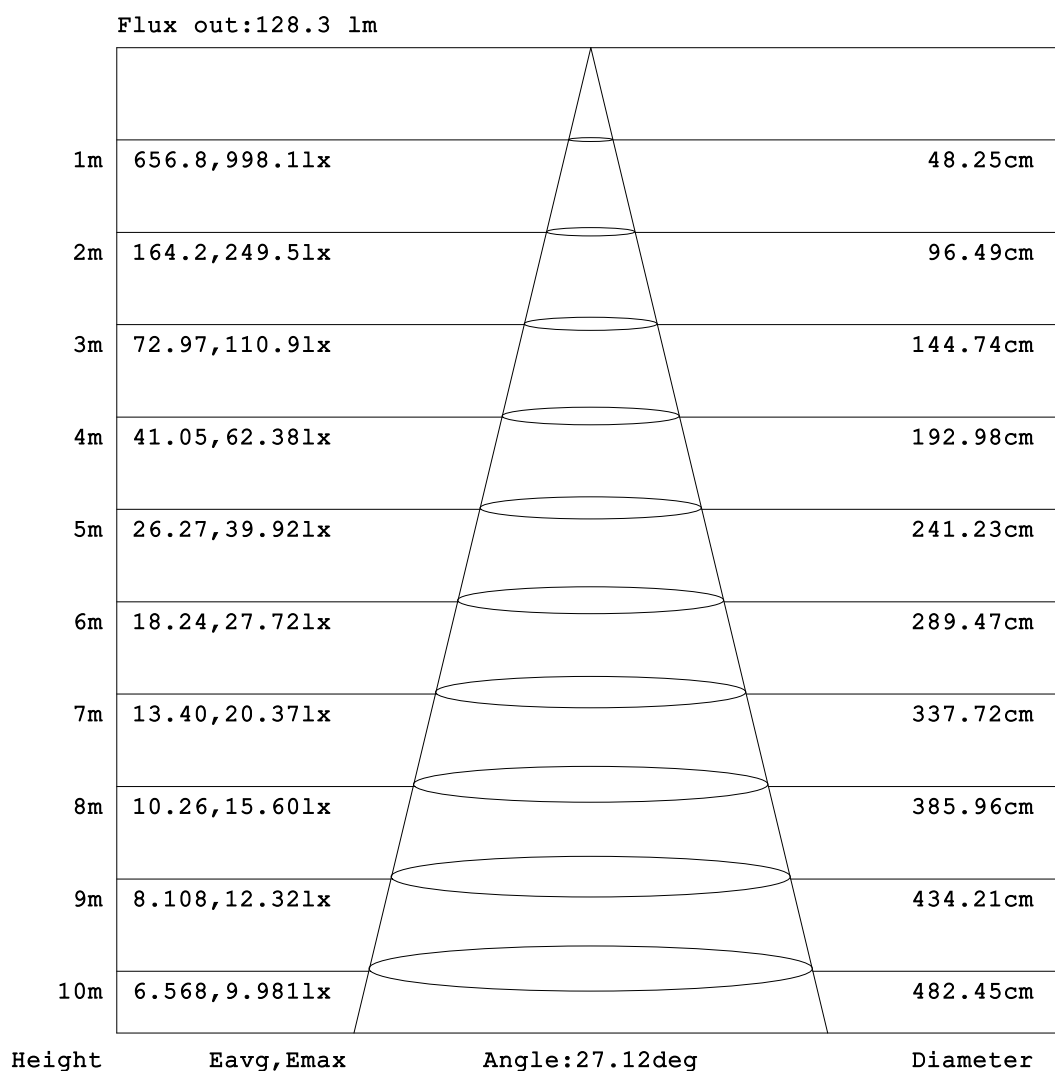
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:001  
Test Date:2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:8.370m [K=1.0000]  
Remarks:



## AAI Figure

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |          |                  |
| NAME: DL6017 3000K RA90 30D   | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |



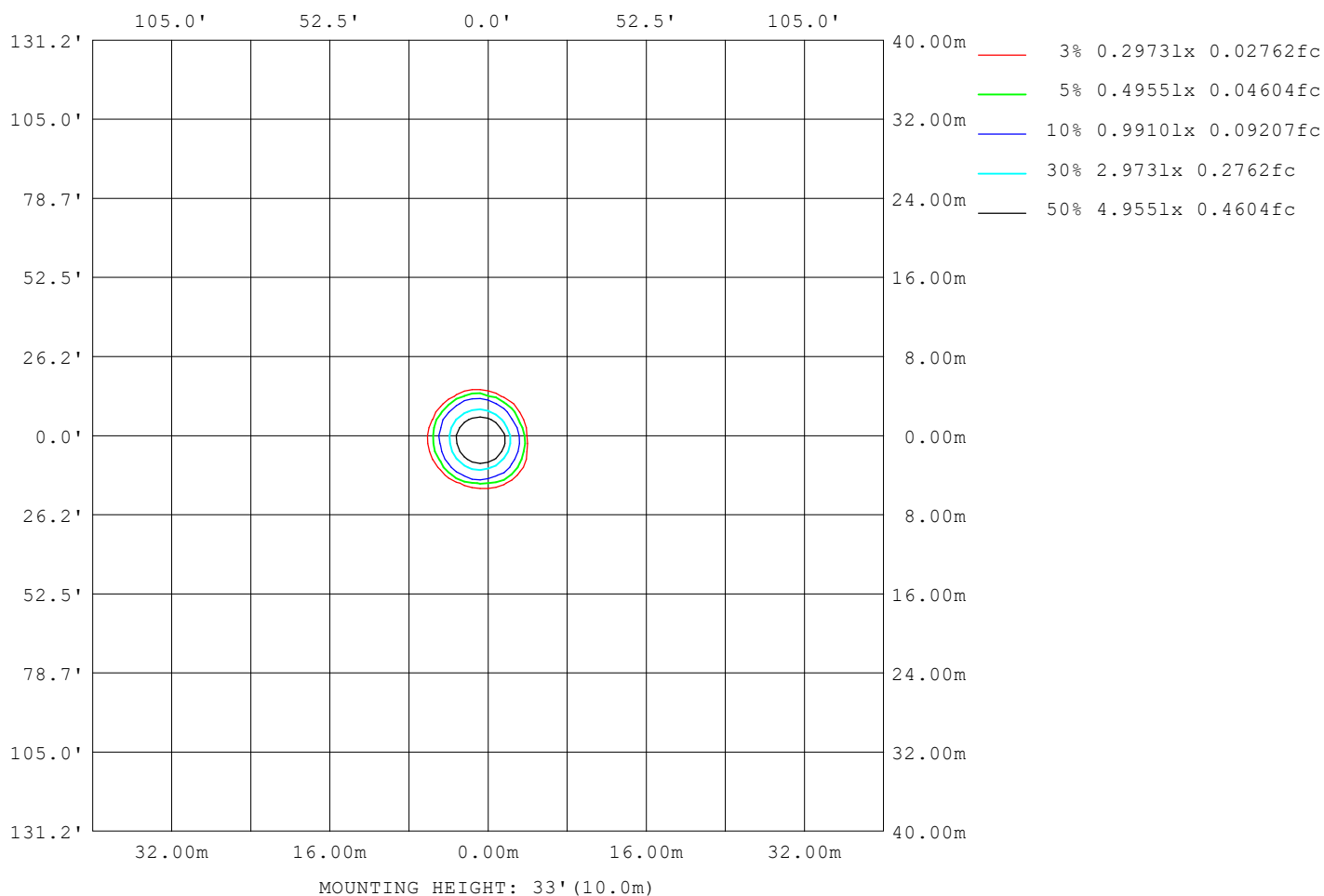
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3℃  
Operators: 001  
Test Date: 2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 8.370m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |          |                  |
| NAME: DL6017 3000K RA90 30D   | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: 001  
Test Date: 2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 8.370m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm |          |                  |
| NAME: DL6017 3000K RA90 30D   | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |

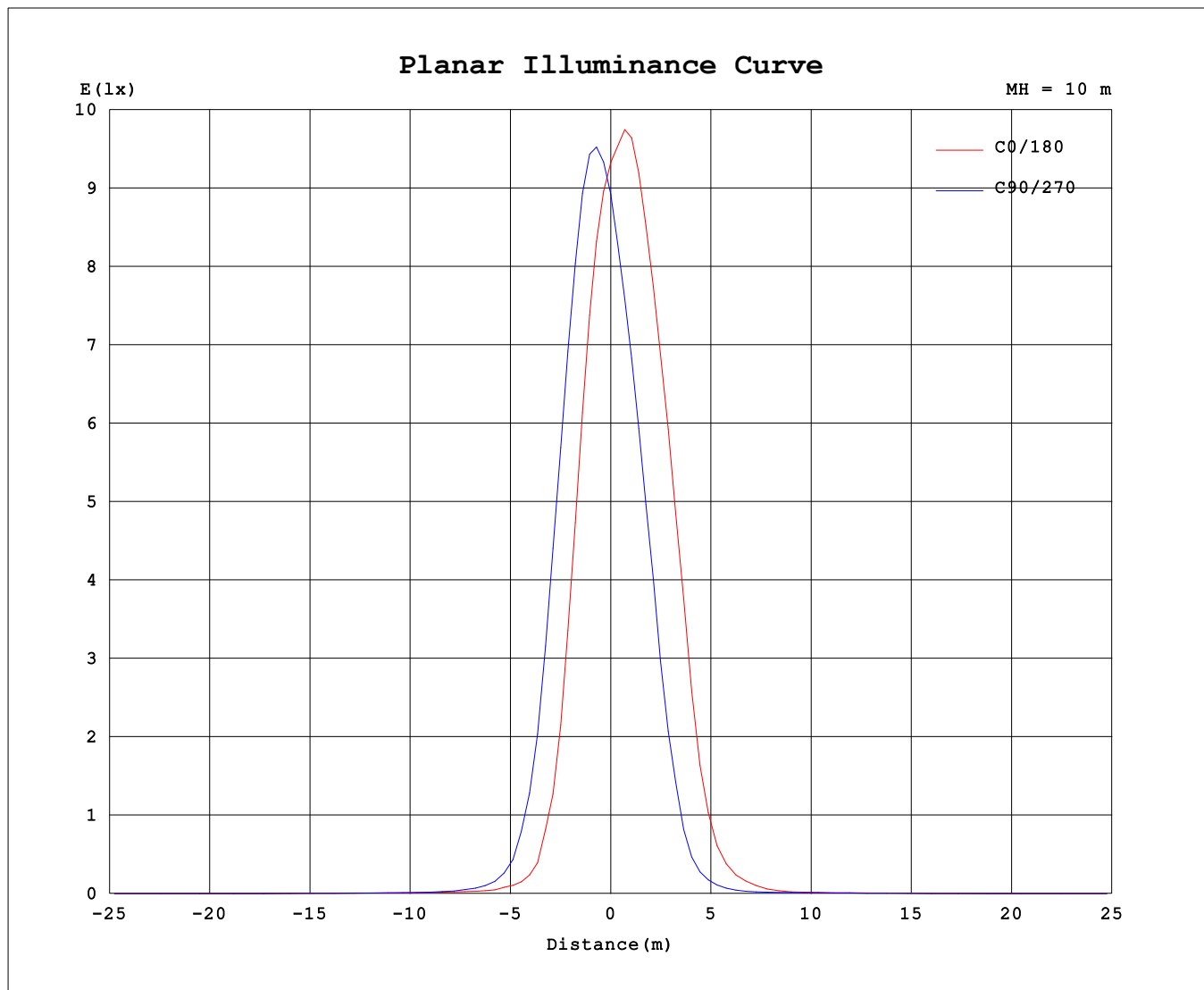
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 7779  |
| L_0~180 (75) av  | 6866  |
| L_0~180 (85) av  | 5861  |
| L_90~270 (65) av | 7458  |
| L_90~270 (75) av | 6484  |
| L_90~270 (85) av | 3677  |
| L_45 (65) av     | 7637  |
| L_45 (75) av     | 6658  |
| L_45 (85) av     | 3681  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:001  
Test Date:2025-05-29

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:8.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: 001  
Test Date: 2025-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 8.370m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |          |                  |
|---|----------|------------------|
| Test:U:220.72V I:0.0653A P:7.5865W PF:0.5264 Freq:49.99Hz |          |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:252.448x1 lm    |          |                  |
| NAME: DL6017 3000K RA90 30D                               | TYPE:    | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:      |
| MFR.: VJC lighting  | SUR.: 27 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                  | 896  | 896  | 896  | 896  | 896  | 896   | 896  | 896   | 896  | 896   | 896  | 896   | 896  | 896   | 896  | 896   |  |  |  |
| 5                  | 805  | 836  | 870  | 919  | 964  | 999   | 1011 | 994   | 944  | 882   | 831  | 790   | 768  | 761   | 767  | 776   |  |  |  |
| 10                 | 476  | 542  | 627  | 748  | 846  | 932   | 967  | 967   | 858  | 775   | 669  | 582   | 522  | 470   | 437  | 427   |  |  |  |
| 15                 | 226  | 280  | 357  | 511  | 626  | 743   | 800  | 823   | 723  | 631   | 522  | 419   | 326  | 251   | 214  | 188   |  |  |  |
| 20                 | 46.0 | 73.4 | 108  | 185  | 247  | 385   | 468  | 491   | 436  | 361   | 256  | 167   | 99.2 | 63.6  | 56.9 | 44.9  |  |  |  |
| 25                 | 18.9 | 26.8 | 54.8 | 82.2 | 104  | 177   | 216  | 235   | 207  | 175   | 110  | 70.1  | 36.9 | 27.3  | 28.5 | 20.9  |  |  |  |
| 30                 | 7.55 | 7.65 | 12.4 | 22.6 | 24.4 | 30.7  | 45.8 | 60.2  | 56.5 | 43.4  | 25.9 | 17.6  | 11.1 | 8.11  | 7.63 | 7.67  |  |  |  |
| 35                 | 5.32 | 5.25 | 5.44 | 8.82 | 12.8 | 15.8  | 25.5 | 32.2  | 27.2 | 20.2  | 13.8 | 8.38  | 5.48 | 4.82  | 5.26 | 5.53  |  |  |  |
| 40                 | 4.08 | 3.93 | 3.87 | 4.26 | 6.04 | 8.07  | 9.07 | 9.61  | 8.13 | 7.81  | 6.40 | 4.62  | 4.02 | 3.92  | 4.03 | 4.18  |  |  |  |
| 45                 | 3.72 | 3.63 | 3.61 | 3.79 | 4.30 | 5.42  | 5.53 | 4.99  | 4.95 | 5.14  | 4.80 | 4.10  | 3.73 | 3.63  | 3.66 | 3.76  |  |  |  |
| 50                 | 3.09 | 3.05 | 3.11 | 3.32 | 3.71 | 4.06  | 4.01 | 3.93  | 3.96 | 4.06  | 3.89 | 3.51  | 3.17 | 3.05  | 3.03 | 3.09  |  |  |  |
| 55                 | 2.67 | 2.67 | 2.76 | 2.97 | 3.31 | 3.62  | 3.67 | 3.61  | 3.58 | 3.61  | 3.40 | 3.07  | 2.78 | 2.65  | 2.60 | 2.64  |  |  |  |
| 60                 | 2.06 | 2.10 | 2.22 | 2.41 | 2.67 | 2.92  | 3.03 | 3.03  | 2.99 | 2.92  | 2.71 | 2.44  | 2.19 | 2.06  | 1.98 | 2.00  |  |  |  |
| 65                 | 1.67 | 1.73 | 1.85 | 2.04 | 2.26 | 2.47  | 2.60 | 2.63  | 2.57 | 2.49  | 2.29 | 2.05  | 1.81 | 1.68  | 1.58 | 1.60  |  |  |  |
| 70                 | 1.11 | 1.18 | 1.32 | 1.48 | 1.68 | 1.85  | 1.99 | 2.03  | 1.98 | 1.89  | 1.69 | 1.48  | 1.27 | 1.14  | 1.03 | 1.04  |  |  |  |
| 75                 | 0.77 | 0.85 | 0.97 | 1.12 | 1.31 | 1.47  | 1.60 | 1.65  | 1.59 | 1.50  | 1.32 | 1.13  | 0.92 | 0.81  | 0.71 | 0.70  |  |  |  |
| 80                 | 0.29 | 0.36 | 0.51 | 0.64 | 0.81 | 0.88  | 0.86 | 0.91  | 1.04 | 0.96  | 0.80 | 0.63  | 0.46 | 0.35  | 0.24 | 0.23  |  |  |  |
| 85                 | 0.01 | 0.07 | 0.21 | 0.34 | 0.47 | 0.46  | 0.36 | 0.28  | 0.71 | 0.63  | 0.47 | 0.30  | 0.01 | 0.00  | 0.00 | 0.00  |  |  |  |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03  | 0.00 | 0.00  | 0.19 | 0.13  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 95                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 100                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 105                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 110                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 115                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 120                | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.01 | 0.00  | 0.05 | 0.03  |  |  |  |
| 125                | 0.13 | 0.12 | 0.05 | 0.04 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.01 | 0.01  | 0.07 | 0.08  | 0.15 | 0.14  |  |  |  |
| 130                | 0.38 | 0.33 | 0.21 | 0.17 | 0.08 | 0.07  | 0.03 | 0.05  | 0.06 | 0.05  | 0.12 | 0.15  | 0.26 | 0.31  | 0.41 | 0.42  |  |  |  |
| 135                | 0.60 | 0.52 | 0.39 | 0.31 | 0.20 | 0.18  | 0.12 | 0.15  | 0.16 | 0.17  | 0.26 | 0.32  | 0.45 | 0.53  | 0.64 | 0.66  |  |  |  |
| 140                | 0.96 | 0.88 | 0.72 | 0.61 | 0.48 | 0.44  | 0.38 | 0.41  | 0.42 | 0.44  | 0.56 | 0.66  | 0.81 | 0.90  | 1.01 | 1.03  |  |  |  |
| 145                | 1.21 | 1.12 | 0.96 | 0.86 | 0.72 | 0.67  | 0.60 | 0.64  | 0.64 | 0.67  | 0.80 | 0.89  | 1.05 | 1.13  | 1.25 | 1.27  |  |  |  |
| 150                | 1.48 | 1.43 | 1.29 | 1.22 | 1.09 | 1.04  | 0.97 | 1.02  | 1.01 | 1.03  | 1.15 | 1.23  | 1.37 | 1.43  | 1.52 | 1.53  |  |  |  |
| 155                | 1.54 | 1.53 | 1.44 | 1.41 | 1.30 | 1.28  | 1.21 | 1.26  | 1.26 | 1.26  | 1.36 | 1.41  | 1.52 | 1.54  | 1.56 | 1.57  |  |  |  |
| 160                | 1.47 | 1.48 | 1.50 | 1.52 | 1.50 | 1.52  | 1.47 | 1.53  | 1.54 | 1.49  | 1.53 | 1.53  | 1.55 | 1.54  | 1.47 | 1.48  |  |  |  |
| 165                | 1.32 | 1.36 | 1.45 | 1.48 | 1.51 | 1.54  | 1.53 | 1.56  | 1.57 | 1.53  | 1.53 | 1.52  | 1.46 | 1.41  | 1.31 | 1.31  |  |  |  |
| 170                | 1.09 | 1.15 | 1.25 | 1.33 | 1.40 | 1.44  | 1.47 | 1.46  | 1.46 | 1.45  | 1.38 | 1.32  | 1.21 | 1.15  | 1.04 | 1.04  |  |  |  |
| 175                | 1.02 | 1.09 | 1.15 | 1.19 | 1.25 | 1.28  | 1.34 | 1.32  | 1.33 | 1.32  | 1.25 | 1.19  | 1.10 | 1.06  | 1.01 | 0.97  |  |  |  |
| 180                | 1.10 | 1.13 | 1.13 | 1.13 | 1.11 | 1.12  | 1.12 | 1.09  | 1.14 | 1.14  | 1.15 | 1.12  | 1.12 | 1.08  | 1.11 | 1.06  |  |  |  |

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:001

Test Date:2025-05-29

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:8.370m [K=1.0000]

Remarks: