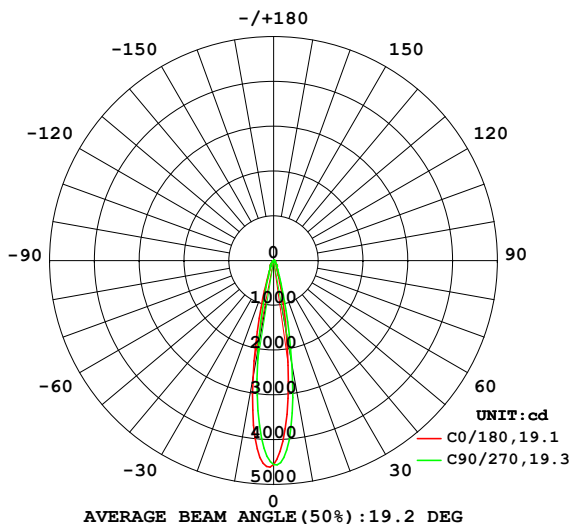


LUMINAIRE PHOTOMETRIC TEST REPORT

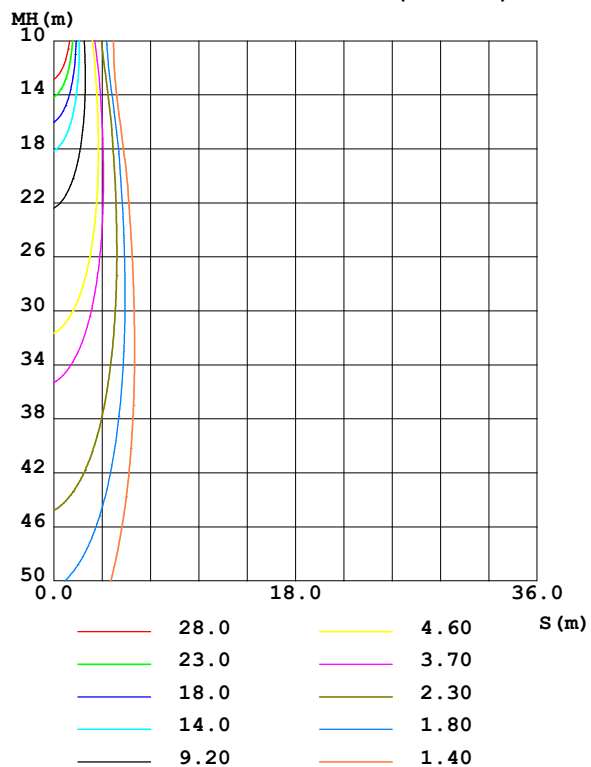
| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 61.71 lm/W | | | |
|------------------|-----------------------|----------------------------------|--------|-------------------|----------|
| MODEL | DL3833 2700K RA90 15D | I _{max} (cd) | 4624 | S/MH(C0/180) | 0.36 |
| NOMINAL POWER(W) | 13.4 | LOR(%) | 100.0 | S/MH(C90/270) | 0.31 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 808.23 | η UP,DN(C0-180) | 0.3,50.7 |
| NOMINAL FLUX(lm) | 808.232 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.4,48.5 |
| LAMPS INSIDE | 1 | η up (%) | 0.7 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 220 | η down (%) | 99.3 | 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: 2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|------------|
| 10 | 1685 | 1906 | 2369 | 2672 | 2648 | 2367 | 1975 | 1721 | 0- 10 | 310.7 | 310.7 | 38.4,38.4 |
| 20 | 258.9 | 289.0 | 378.6 | 393.6 | 390.1 | 357.8 | 316.6 | 270.5 | 10- 20 | 254.3 | 565.1 | 69.9,69.9 |
| 30 | 133.7 | 136.7 | 153.9 | 152.5 | 150.0 | 144.5 | 149.0 | 134.9 | 20- 30 | 94.00 | 659.1 | 81.5,81.5 |
| 40 | 70.80 | 74.45 | 88.74 | 93.25 | 92.89 | 87.77 | 80.23 | 72.04 | 30- 40 | 73.17 | 732.2 | 90.6,90.6 |
| 50 | 22.03 | 22.54 | 23.72 | 24.57 | 23.38 | 23.27 | 23.10 | 22.44 | 40- 50 | 31.45 | 763.7 | 94.5,94.5 |
| 60 | 16.40 | 17.06 | 17.56 | 17.67 | 17.21 | 17.10 | 17.26 | 16.77 | 50- 60 | 17.59 | 781.3 | 96.7,96.7 |
| 70 | 7.620 | 8.265 | 9.340 | 9.795 | 9.026 | 9.022 | 8.276 | 7.600 | 60- 70 | 13.13 | 794.4 | 98.3,98.3 |
| 80 | 3.234 | 3.454 | 3.804 | 3.967 | 3.849 | 3.649 | 3.346 | 3.149 | 70- 80 | 6.071 | 800.5 | 99,99 |
| 90 | 0.0113 | 0.0137 | 0.0279 | 0.1571 | 0.1156 | 0.0114 | 0.0160 | 0.0115 | 80- 90 | 1.753 | 802.2 | 99.3,99.3 |
| 100 | 0.0224 | 0.0181 | 0.0159 | 0.0092 | 0.0494 | 0.0431 | 0.0524 | 0.0527 | 90-100 | 0.0235 | 802.2 | 99.3,99.3 |
| 110 | 0.1077 | 0.0973 | 0.0909 | 0.0755 | 0.1191 | 0.1180 | 0.1322 | 0.1398 | 100-110 | 0.0677 | 802.3 | 99.3,99.3 |
| 120 | 0.2648 | 0.2491 | 0.2390 | 0.2197 | 0.2517 | 0.2518 | 0.2827 | 0.2888 | 110-120 | 0.1759 | 802.5 | 99.3,99.3 |
| 130 | 0.3995 | 0.3874 | 0.3870 | 0.3617 | 0.5172 | 0.5537 | 0.6479 | 0.6927 | 120-130 | 0.3201 | 802.8 | 99.3,99.3 |
| 140 | 0.9554 | 0.8736 | 0.7782 | 0.7069 | 1.603 | 1.723 | 1.975 | 2.158 | 130-140 | 0.6427 | 803.4 | 99.4,99.4 |
| 150 | 2.812 | 2.622 | 2.372 | 2.183 | 3.638 | 3.742 | 3.943 | 4.063 | 140-150 | 1.371 | 804.8 | 99.6,99.6 |
| 160 | 4.327 | 4.246 | 4.168 | 4.083 | 4.761 | 4.764 | 4.772 | 4.673 | 150-160 | 1.796 | 806.6 | 99.8,99.8 |
| 170 | 3.830 | 3.909 | 4.138 | 4.218 | 4.407 | 4.343 | 4.147 | 3.860 | 160-170 | 1.263 | 807.9 | 100,100 |
| 180 | 3.236 | 3.318 | 3.264 | 3.280 | 3.277 | 3.332 | 3.269 | 3.271 | 170-180 | 0.3552 | 808.2 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 752.47 lm

%lum = 93.1%

%lamp = 93.1%

Conical surface Flux(130deg): 788.78 lm

%lum = 97.6%

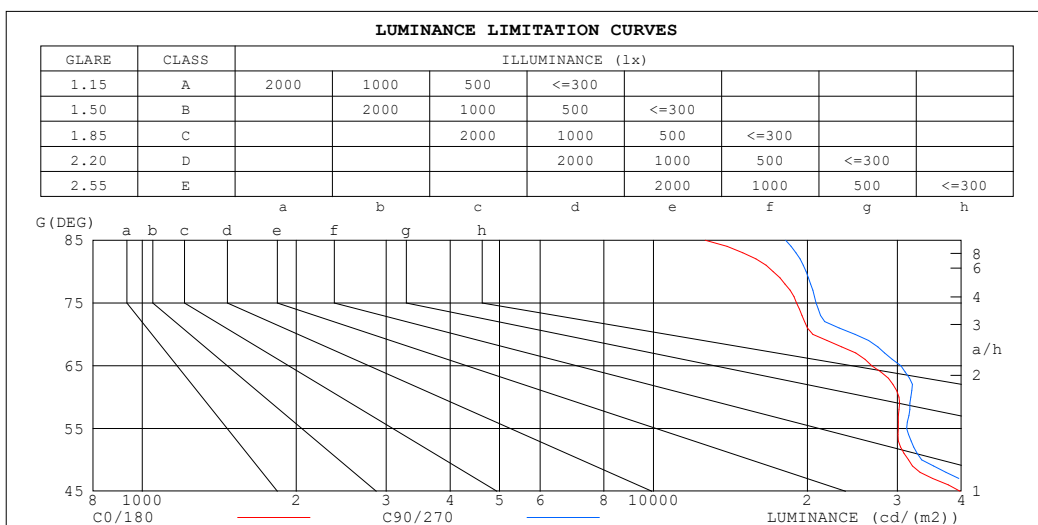
%lamp = 97.6%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 12623 | 18128 |
| 80 | 17146 | 19884 |
| 75 | 19062 | 20797 |
| 70 | 20512 | 24784 |
| 65 | 26717 | 30475 |
| 60 | 30201 | 31878 |
| 55 | 30136 | 31275 |
| 50 | 31550 | 33490 |
| 45 | 39795 | 43906 |

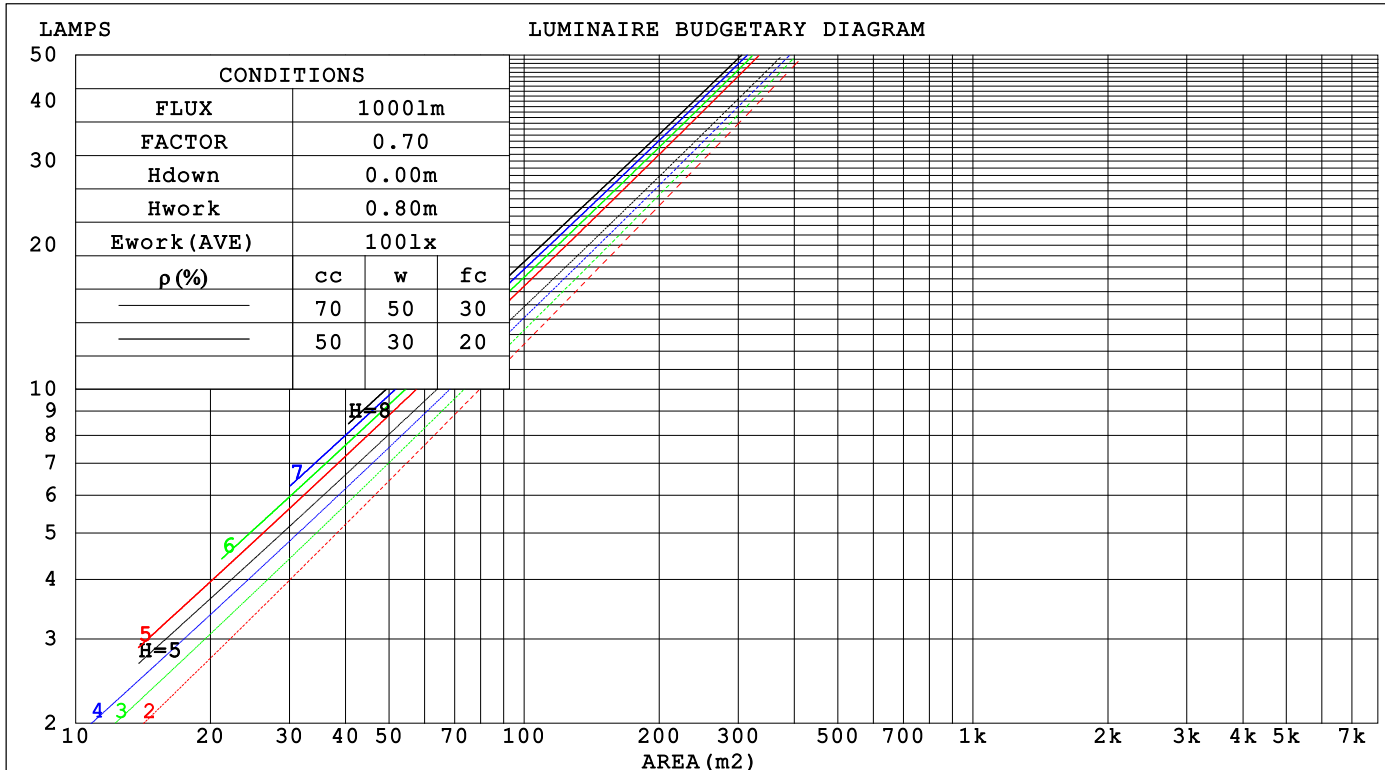
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|-----------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | 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 | 1.09 | 1.08 | 1.06 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | .99 | .98 | .97 | .96 | .94 |
| 2.0 | 1.05 | 1.02 | .99 | 1.04 | 1.01 | .98 | 1.00 | .98 | .96 | .97 | .95 | .94 | .95 | .93 | .92 | .90 |
| 3.0 | 1.00 | .96 | .93 | .99 | .95 | .92 | .96 | .93 | .90 | .94 | .91 | .89 | .91 | .89 | .87 | .86 |
| 4.0 | .96 | .91 | .88 | .94 | .90 | .87 | .92 | .89 | .86 | .90 | .87 | .85 | .88 | .86 | .84 | .83 |
| 5.0 | .91 | .87 | .83 | .91 | .86 | .83 | .89 | .85 | .82 | .87 | .84 | .81 | .86 | .83 | .81 | .79 |
| 6.0 | .88 | .83 | .80 | .87 | .83 | .80 | .86 | .82 | .79 | .84 | .81 | .78 | .83 | .80 | .78 | .77 |
| 7.0 | .85 | .80 | .77 | .84 | .80 | .77 | .83 | .79 | .76 | .82 | .78 | .76 | .81 | .78 | .75 | .74 |
| 8.0 | .82 | .77 | .74 | .81 | .77 | .74 | .80 | .76 | .74 | .79 | .76 | .73 | .78 | .75 | .73 | .72 |
| 9.0 | .79 | .75 | .72 | .79 | .75 | .72 | .78 | .74 | .71 | .77 | .74 | .71 | .76 | .73 | .71 | .70 |
| 10.0 | .77 | .73 | .70 | .77 | .72 | .70 | .76 | .72 | .69 | .75 | .72 | .69 | .75 | .71 | .69 | .68 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|-----------------------------------------------------------|--|--|---------------------------------|--|--|------------------------|--|--|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz | | | UTHDi:0.00% ITHDi:0.00% KDisp:0 | | | Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | DIM.: | | | SERIAL No.: | | |
| MFR.: VJC Lighting | | | SUR.: 38 | | | 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 | .156 | .089 | .028 | .149 | .085 | .027 | .137 | .078 | .025 | .125 | .072 | .023 | .114 | .066 | .021 | | |
| 2.0 | .146 | .080 | .025 | .140 | .077 | .024 | .129 | .072 | .022 | .119 | .067 | .021 | .110 | .062 | .020 | | |
| 3.0 | .136 | .072 | .022 | .131 | .070 | .021 | .122 | .066 | .020 | .113 | .062 | .019 | .106 | .059 | .018 | | |
| 4.0 | .127 | .066 | .019 | .123 | .064 | .019 | .115 | .061 | .018 | .108 | .058 | .017 | .101 | .055 | .017 | | |
| 5.0 | .119 | .061 | .018 | .115 | .059 | .017 | .109 | .057 | .017 | .102 | .054 | .016 | .097 | .052 | .016 | | |
| 6.0 | .112 | .056 | .016 | .109 | .055 | .016 | .103 | .053 | .015 | .098 | .051 | .015 | .092 | .049 | .014 | | |
| 7.0 | .105 | .052 | .015 | .103 | .051 | .015 | .098 | .049 | .014 | .093 | .048 | .014 | .089 | .046 | .014 | | |
| 8.0 | .100 | .049 | .014 | .098 | .048 | .014 | .093 | .047 | .013 | .089 | .045 | .013 | .085 | .044 | .013 | | |
| 9.0 | .095 | .046 | .013 | .093 | .045 | .013 | .089 | .044 | .012 | .085 | .043 | .012 | .082 | .041 | .012 | | |
| 10.0 | .090 | .043 | .012 | .088 | .043 | .012 | .085 | .042 | .012 | .082 | .041 | .012 | .078 | .039 | .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 | .196 | .196 | .196 | .168 | .168 | .168 | .114 | .114 | .114 | .066 | .066 | .066 | .021 | .021 | .021 | | |
| 1.0 | .175 | .163 | .152 | .150 | .140 | .131 | .103 | .096 | .091 | .059 | .056 | .053 | .019 | .018 | .017 | | |
| 2.0 | .159 | .138 | .121 | .136 | .119 | .105 | .093 | .082 | .073 | .054 | .048 | .043 | .017 | .016 | .014 | | |
| 3.0 | .144 | .119 | .099 | .124 | .103 | .086 | .085 | .071 | .060 | .049 | .042 | .036 | .016 | .014 | .012 | | |
| 4.0 | .132 | .104 | .082 | .114 | .090 | .072 | .078 | .063 | .050 | .045 | .037 | .030 | .015 | .012 | .010 | | |
| 5.0 | .122 | .092 | .070 | .105 | .080 | .061 | .072 | .056 | .043 | .042 | .033 | .025 | .014 | .011 | .008 | | |
| 6.0 | .114 | .082 | .060 | .098 | .071 | .052 | .067 | .050 | .037 | .039 | .029 | .022 | .013 | .010 | .007 | | |
| 7.0 | .106 | .074 | .052 | .091 | .064 | .045 | .063 | .045 | .032 | .037 | .027 | .019 | .012 | .009 | .006 | | |
| 8.0 | .099 | .067 | .046 | .086 | .059 | .040 | .059 | .041 | .028 | .034 | .024 | .017 | .011 | .008 | .006 | | |
| 9.0 | .094 | .062 | .040 | .081 | .054 | .035 | .056 | .038 | .025 | .033 | .022 | .015 | .011 | .007 | .005 | | |
| 10.0 | .089 | .057 | .036 | .076 | .050 | .032 | .053 | .035 | .022 | .031 | .021 | .013 | .010 | .007 | .004 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|----------|----------------|------|------------------|------|------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | | | | | | | | | |
| NAME: DL3833 2700K RA90 15D | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: VJC Lighting | | | | | SUR.: 38 | | | 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 | 20.6 | 21.3 | 20.8 | 21.5 | 21.6 | 21.0 | 21.8 | 21.2 | 21.9 | 22.1 |
| 3H | 21.2 | 21.9 | 21.5 | 22.1 | 22.3 | 21.8 | 22.5 | 22.0 | 22.7 | 22.9 |
| 4H | 21.5 | 22.1 | 21.7 | 22.3 | 22.6 | 22.0 | 22.7 | 22.3 | 22.9 | 23.1 |
| 6H | 21.7 | 22.3 | 21.9 | 22.5 | 22.8 | 22.2 | 22.8 | 22.5 | 23.1 | 23.3 |
| 8H | 21.7 | 22.3 | 22.0 | 22.6 | 22.8 | 22.3 | 22.9 | 22.6 | 23.1 | 23.4 |
| 12H | 21.7 | 22.3 | 22.0 | 22.6 | 22.9 | 22.3 | 22.9 | 22.6 | 23.2 | 23.5 |
| 4H 2H | 20.9 | 21.5 | 21.2 | 21.8 | 22.0 | 21.3 | 21.9 | 21.6 | 22.2 | 22.4 |
| 3H | 21.7 | 22.3 | 22.0 | 22.5 | 22.8 | 22.2 | 22.7 | 22.5 | 23.0 | 23.3 |
| 4H | 22.0 | 22.5 | 22.4 | 22.8 | 23.2 | 22.5 | 23.0 | 22.8 | 23.3 | 23.6 |
| 6H | 22.3 | 22.8 | 22.7 | 23.1 | 23.5 | 22.8 | 23.3 | 23.2 | 23.6 | 24.0 |
| 8H | 22.4 | 22.8 | 22.8 | 23.2 | 23.6 | 22.9 | 23.3 | 23.3 | 23.7 | 24.1 |
| 12H | 22.4 | 22.8 | 22.8 | 23.2 | 23.6 | 23.0 | 23.4 | 23.4 | 23.8 | 24.2 |
| 8H 4H | 22.1 | 22.5 | 22.5 | 22.9 | 23.3 | 22.5 | 23.0 | 22.9 | 23.3 | 23.7 |
| 6H | 22.5 | 22.9 | 22.9 | 23.3 | 23.7 | 22.9 | 23.3 | 23.4 | 23.7 | 24.1 |
| 8H | 22.6 | 22.9 | 23.1 | 23.4 | 23.8 | 23.1 | 23.4 | 23.6 | 23.9 | 24.3 |
| 12H | 22.7 | 23.0 | 23.2 | 23.4 | 23.9 | 23.2 | 23.5 | 23.7 | 24.0 | 24.5 |
| 12H 4H | 22.1 | 22.5 | 22.5 | 22.9 | 23.3 | 22.5 | 22.9 | 22.9 | 23.3 | 23.7 |
| 6H | 22.5 | 22.8 | 23.0 | 23.2 | 23.7 | 22.9 | 23.3 | 23.4 | 23.7 | 24.1 |
| 8H | 22.7 | 22.9 | 23.1 | 23.4 | 23.9 | 23.1 | 23.4 | 23.6 | 23.9 | 24.4 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 1.1 / - 1.2 | | | | | + 1.1 / - 1.2 | | | | |
| 1.5H | + 2.3 / - 1.1 | | | | | + 2.3 / - 1.2 | | | | |
| 2.0H | + 0.4 / - 0.6 | | | | | + 0.4 / - 0.7 | | | | |

CIE Pub.117, 808.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.7)
Area: 0.0011 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |

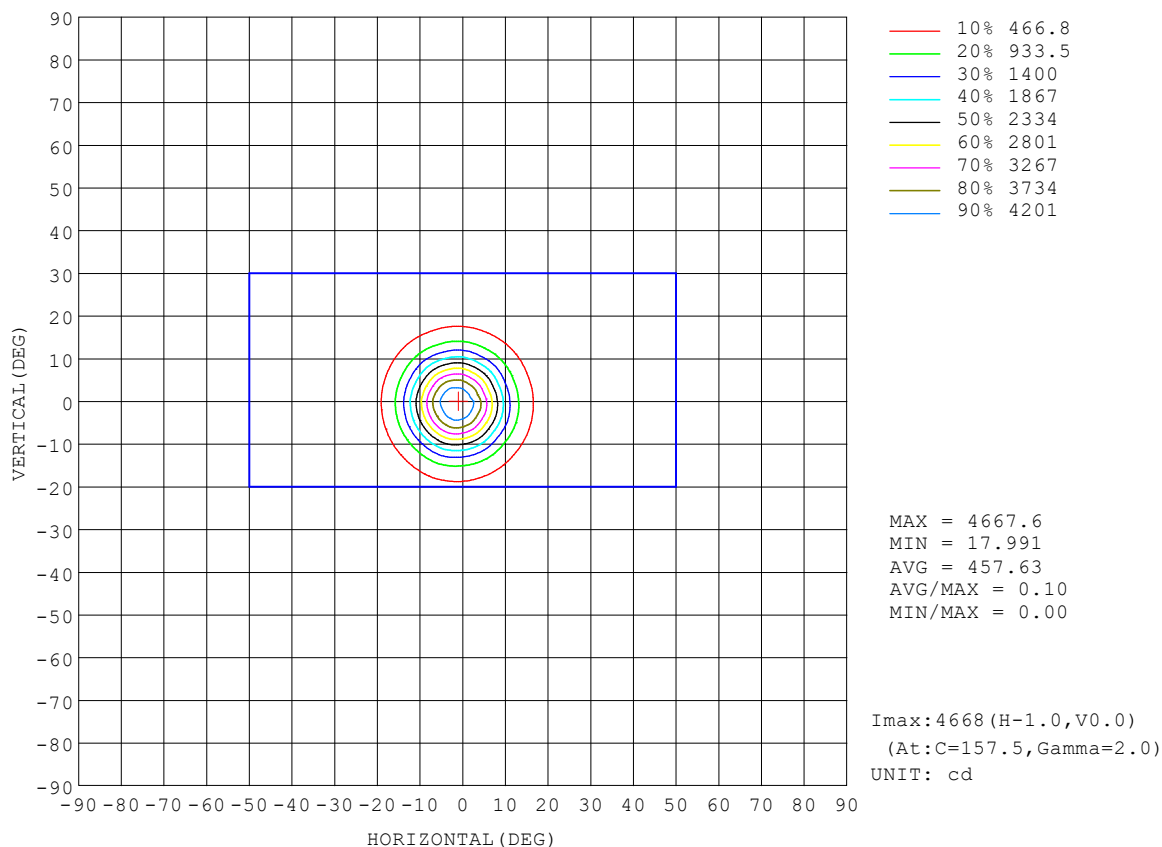
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 86 | 79 | 75 | 85 | 79 | 75 | 84 | 79 | 75 | 71 |
| 0.80 | 93 | 87 | 83 | 93 | 87 | 83 | 91 | 86 | 83 | 79 |
| 1.00 | 98 | 92 | 88 | 97 | 91 | 88 | 95 | 91 | 87 | 83 |
| 1.25 | 102 | 96 | 93 | 101 | 96 | 92 | 99 | 94 | 91 | 87 |
| 1.50 | 105 | 100 | 96 | 103 | 99 | 96 | 101 | 97 | 94 | 90 |
| 2.00 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 97 | 92 |
| 2.50 | 109 | 105 | 102 | 108 | 104 | 101 | 104 | 102 | 99 | 93 |
| 3.00 | 111 | 107 | 104 | 109 | 106 | 103 | 106 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 106 | 107 | 105 | 104 | 96 |
| 5.00 | 115 | 112 | 110 | 112 | 110 | 108 | 108 | 107 | 105 | 97 |
| 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 °C
Operators: 001
Test Date: 2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |

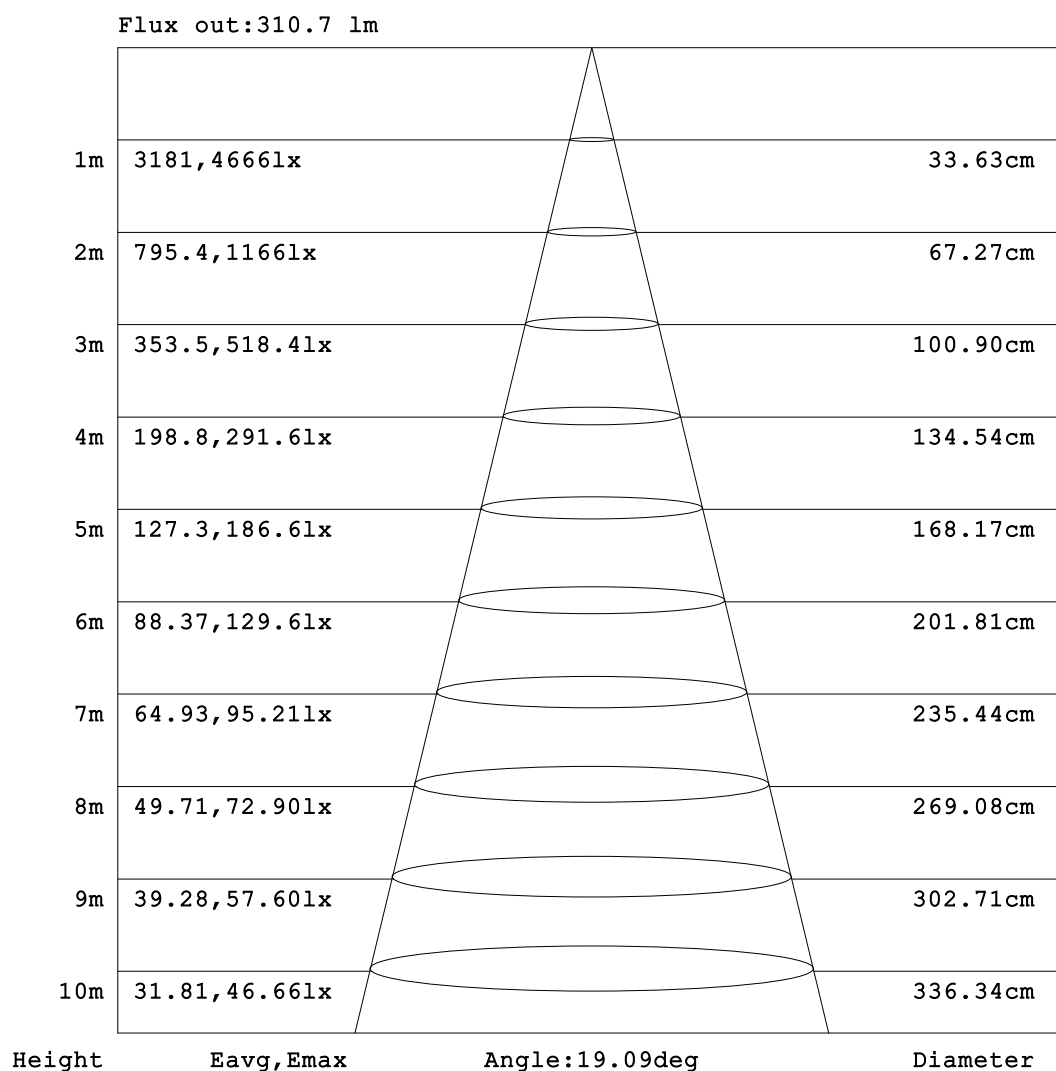


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |



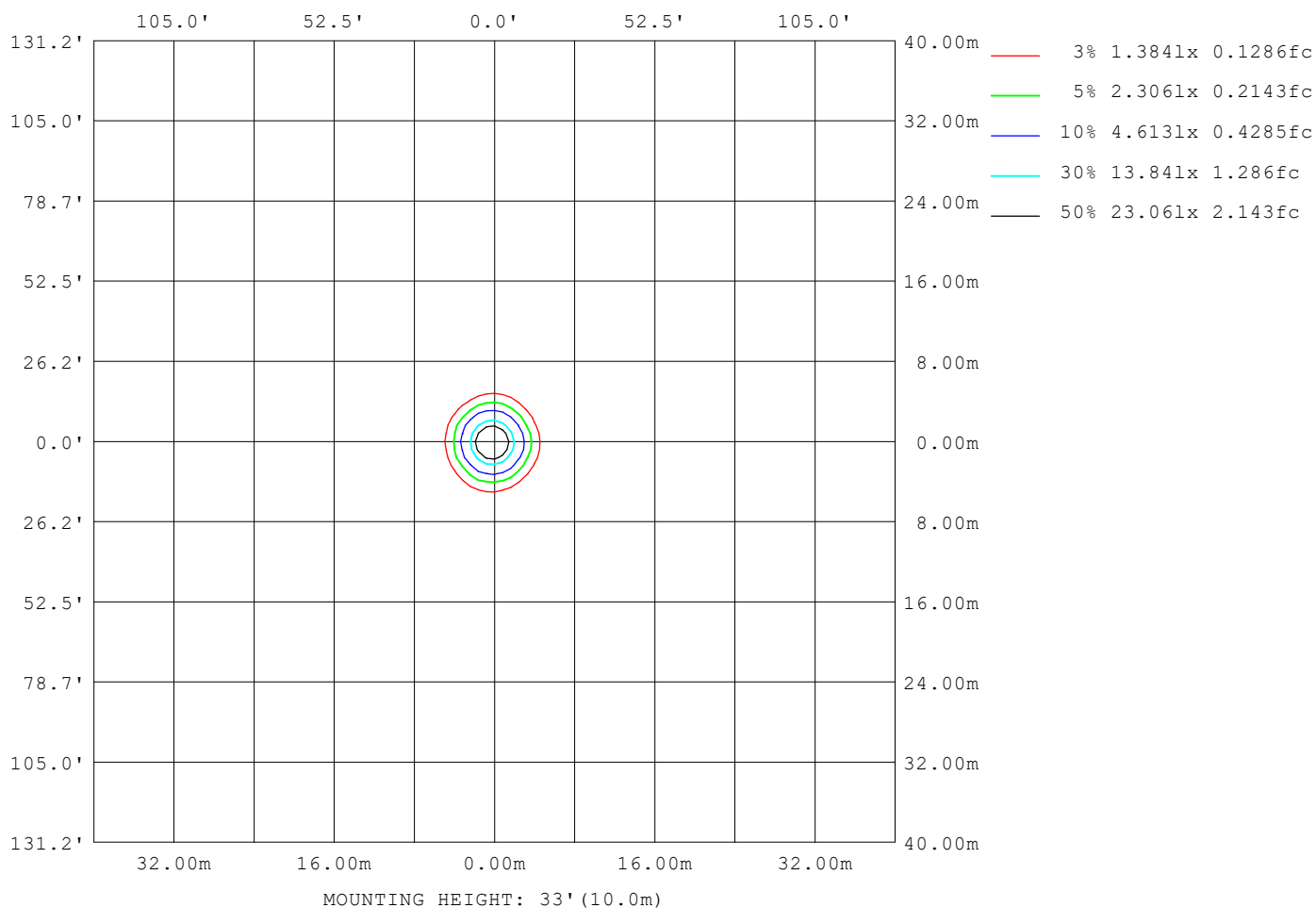
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:001
 Test Date:2023-08-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:7.580m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---------------------------------------------------------------------------------------------------------------------|----------|------------------|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:808.232x1 lm | | |
| NAME: DL3833 2700K RA90 15D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 38 | Shielding Angle: |

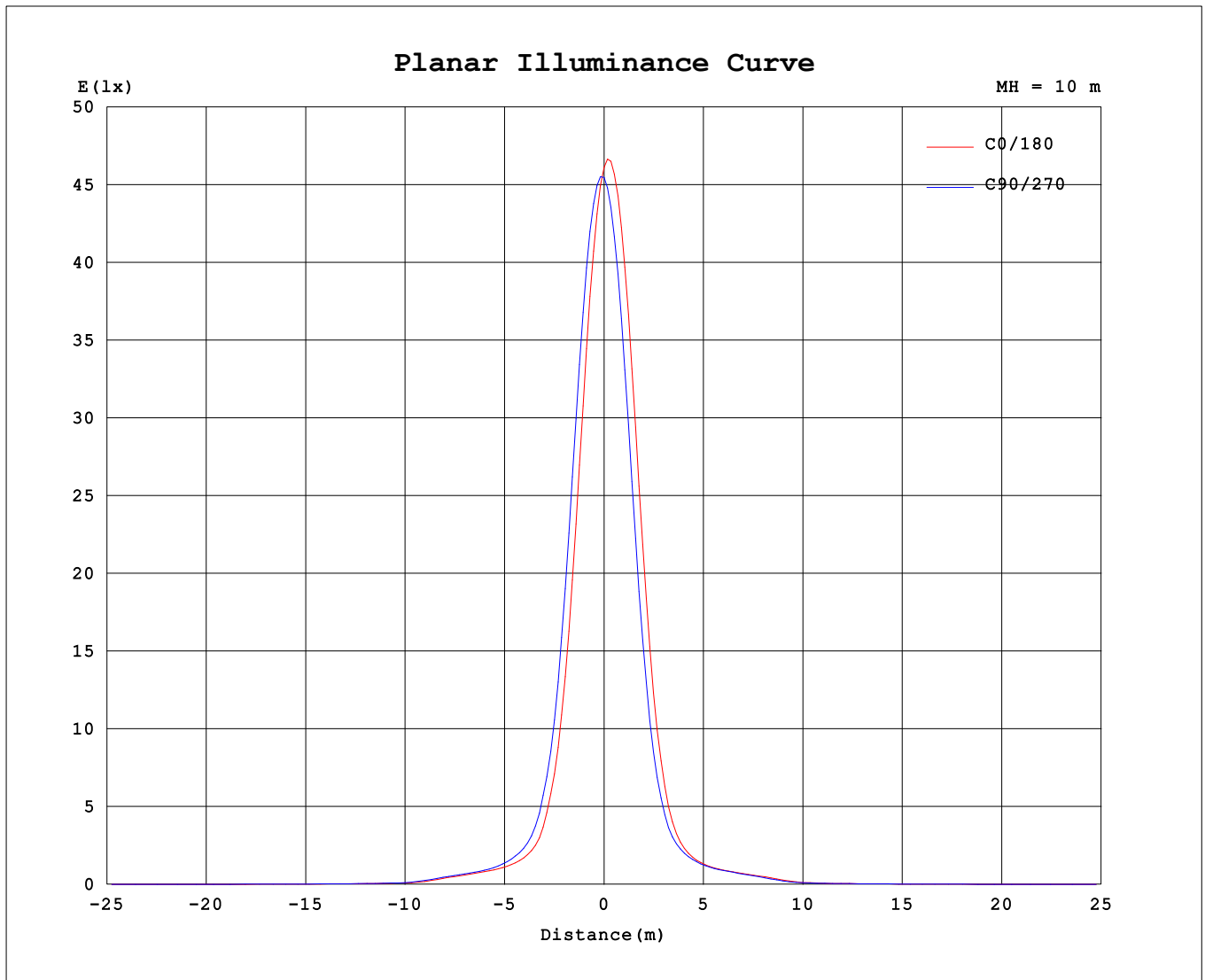
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 28515 |
| L_0~180 (75) av | 19686 |
| L_0~180 (85) av | 16069 |
| L_90~270 (65) av | 29610 |
| L_90~270 (75) av | 19998 |
| L_90~270 (85) av | 16052 |
| L_45 (65) av | 28958 |
| L_45 (75) av | 19869 |
| L_45 (85) av | 16060 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2023-08-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [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: 2023-08-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 7.580m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|-----------------------------------------------------------|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|------------------|--|--|
| Test:U:230.74V I:0.0592A P:13.096W PF:0.9592 Freq:49.99Hz | | | | | | | | | | | | | | | | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 | | | | | | | | | Lamp Flux:808.232x1 lm | | | | | | | | |
| NAME: DL3833 2700K RA90 15D | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: | | | | | | SERIAL No.: | | |
| MFR.: VJC Lighting | | | | | | | | | SUR.: 38 | | | | | | Shielding Angle: | | |

Table--1

UNIT: cd

| C (DEG) 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 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | 4555 | | | |
| 5 | 3443 | 3547 | 3648 | 3857 | 4018 | 4194 | 4247 | 4276 | 4221 | 4107 | 4020 | 3825 | 3688 | 3519 | 3458 | 3402 | | | |
| 10 | 1685 | 1792 | 1906 | 2163 | 2369 | 2603 | 2672 | 2718 | 2648 | 2490 | 2367 | 2124 | 1975 | 1793 | 1721 | 1645 | | | |
| 15 | 641 | 673 | 722 | 850 | 952 | 1073 | 1089 | 1119 | 1088 | 1006 | 949 | 828 | 765 | 685 | 653 | 629 | | | |
| 20 | 259 | 270 | 289 | 332 | 379 | 407 | 394 | 396 | 390 | 374 | 358 | 329 | 317 | 292 | 271 | 261 | | | |
| 25 | 169 | 174 | 180 | 197 | 221 | 231 | 215 | 210 | 208 | 203 | 198 | 194 | 197 | 184 | 171 | 168 | | | |
| 30 | 134 | 136 | 137 | 142 | 154 | 159 | 153 | 152 | 150 | 148 | 144 | 145 | 149 | 142 | 135 | 134 | | | |
| 35 | 110 | 112 | 113 | 117 | 123 | 125 | 124 | 127 | 127 | 125 | 123 | 122 | 122 | 115 | 113 | 111 | | | |
| 40 | 70.8 | 73.7 | 74.4 | 82.1 | 88.7 | 91.4 | 93.2 | 95.1 | 92.9 | 90.5 | 87.8 | 81.8 | 80.2 | 73.0 | 72.0 | 70.3 | | | |
| 45 | 30.6 | 31.7 | 31.4 | 32.8 | 34.2 | 34.9 | 37.1 | 37.7 | 35.4 | 35.3 | 33.8 | 33.4 | 32.8 | 31.5 | 31.8 | 30.9 | | | |
| 50 | 22.0 | 22.4 | 22.5 | 23.2 | 23.7 | 24.0 | 24.6 | 24.2 | 23.4 | 23.9 | 23.3 | 23.1 | 23.1 | 22.8 | 22.4 | 21.8 | | | |
| 55 | 18.8 | 19.0 | 19.2 | 19.5 | 19.8 | 19.9 | 19.9 | 19.6 | 19.4 | 19.6 | 19.4 | 19.5 | 19.6 | 19.2 | 19.1 | 18.7 | | | |
| 60 | 16.4 | 16.7 | 17.1 | 17.6 | 17.6 | 17.4 | 17.7 | 17.3 | 17.2 | 17.1 | 17.1 | 17.4 | 17.3 | 16.7 | 16.8 | 16.4 | | | |
| 65 | 12.3 | 12.6 | 13.1 | 14.0 | 14.2 | 14.3 | 14.5 | 14.1 | 14.2 | 13.8 | 13.8 | 13.7 | 13.3 | 12.6 | 12.5 | 12.1 | | | |
| 70 | 7.62 | 7.94 | 8.27 | 8.99 | 9.34 | 9.78 | 9.80 | 9.55 | 9.03 | 8.82 | 9.02 | 8.62 | 8.28 | 7.74 | 7.60 | 7.49 | | | |
| 75 | 5.36 | 5.52 | 5.59 | 5.84 | 5.93 | 6.11 | 6.05 | 6.04 | 5.85 | 5.69 | 5.69 | 5.52 | 5.46 | 5.31 | 5.30 | 5.26 | | | |
| 80 | 3.23 | 3.39 | 3.45 | 3.70 | 3.80 | 3.99 | 3.97 | 4.01 | 3.85 | 3.69 | 3.65 | 3.45 | 3.35 | 3.17 | 3.15 | 3.11 | | | |
| 85 | 1.19 | 1.33 | 1.40 | 1.62 | 1.74 | 1.94 | 1.96 | 2.02 | 1.89 | 1.75 | 1.68 | 1.46 | 1.34 | 1.15 | 1.13 | 1.08 | | | |
| 90 | 0.01 | 0.01 | 0.01 | 0.01 | 0.03 | 0.12 | 0.16 | 0.21 | 0.12 | 0.04 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | | | |
| 95 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.03 | 0.01 | 0.03 | 0.01 | 0.03 | 0.01 | 0.03 | 0.01 | | | |
| 100 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 | 0.03 | 0.01 | 0.03 | 0.05 | 0.02 | 0.04 | 0.02 | 0.05 | 0.03 | 0.05 | 0.03 | | | |
| 105 | 0.05 | 0.07 | 0.05 | 0.07 | 0.04 | 0.06 | 0.04 | 0.06 | 0.07 | 0.05 | 0.07 | 0.05 | 0.08 | 0.06 | 0.08 | 0.06 | | | |
| 110 | 0.11 | 0.12 | 0.10 | 0.11 | 0.09 | 0.10 | 0.08 | 0.10 | 0.12 | 0.09 | 0.12 | 0.10 | 0.13 | 0.11 | 0.14 | 0.11 | | | |
| 115 | 0.18 | 0.20 | 0.17 | 0.18 | 0.16 | 0.17 | 0.14 | 0.16 | 0.18 | 0.15 | 0.18 | 0.17 | 0.19 | 0.18 | 0.20 | 0.18 | | | |
| 120 | 0.26 | 0.28 | 0.25 | 0.27 | 0.24 | 0.25 | 0.22 | 0.25 | 0.25 | 0.23 | 0.25 | 0.24 | 0.28 | 0.27 | 0.29 | 0.27 | | | |
| 125 | 0.33 | 0.34 | 0.31 | 0.34 | 0.31 | 0.32 | 0.30 | 0.32 | 0.35 | 0.32 | 0.36 | 0.36 | 0.41 | 0.40 | 0.42 | 0.40 | | | |
| 130 | 0.40 | 0.42 | 0.39 | 0.41 | 0.39 | 0.40 | 0.36 | 0.38 | 0.52 | 0.51 | 0.55 | 0.58 | 0.65 | 0.66 | 0.69 | 0.68 | | | |
| 135 | 0.57 | 0.57 | 0.53 | 0.53 | 0.50 | 0.50 | 0.46 | 0.48 | 0.88 | 0.89 | 0.95 | 1.03 | 1.13 | 1.20 | 1.25 | 1.26 | | | |
| 140 | 0.96 | 0.92 | 0.87 | 0.83 | 0.78 | 0.75 | 0.71 | 0.72 | 1.60 | 1.64 | 1.72 | 1.85 | 1.98 | 2.10 | 2.16 | 2.19 | | | |
| 145 | 1.75 | 1.67 | 1.60 | 1.49 | 1.39 | 1.31 | 1.26 | 1.24 | 2.61 | 2.66 | 2.75 | 2.89 | 3.02 | 3.13 | 3.20 | 3.23 | | | |
| 150 | 2.81 | 2.70 | 2.62 | 2.48 | 2.37 | 2.24 | 2.18 | 2.16 | 3.64 | 3.66 | 3.74 | 3.83 | 3.94 | 4.01 | 4.06 | 4.08 | | | |
| 155 | 3.78 | 3.70 | 3.62 | 3.50 | 3.43 | 3.28 | 3.24 | 3.23 | 4.39 | 4.36 | 4.43 | 4.45 | 4.55 | 4.53 | 4.56 | 4.55 | | | |
| 160 | 4.33 | 4.30 | 4.25 | 4.23 | 4.17 | 4.13 | 4.08 | 4.12 | 4.76 | 4.72 | 4.76 | 4.74 | 4.77 | 4.72 | 4.67 | 4.68 | | | |
| 165 | 4.32 | 4.29 | 4.35 | 4.39 | 4.41 | 4.43 | 4.43 | 4.46 | 4.78 | 4.76 | 4.73 | 4.73 | 4.67 | 4.58 | 4.43 | 4.42 | | | |
| 170 | 3.83 | 3.85 | 3.91 | 4.05 | 4.14 | 4.20 | 4.22 | 4.26 | 4.41 | 4.40 | 4.34 | 4.26 | 4.15 | 4.00 | 3.86 | 3.84 | | | |
| 175 | 3.26 | 3.30 | 3.40 | 3.43 | 3.50 | 3.58 | 3.68 | 3.69 | 3.75 | 3.76 | 3.76 | 3.64 | 3.50 | 3.43 | 3.32 | 3.22 | | | |
| 180 | 3.24 | 3.26 | 3.32 | 3.27 | 3.26 | 3.25 | 3.28 | 3.20 | 3.28 | 3.26 | 3.33 | 3.27 | 3.27 | 3.23 | 3.27 | 3.17 | | | |

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:001

Test Date:2023-08-01

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:7.580m [K=1.0000]

Remarks: