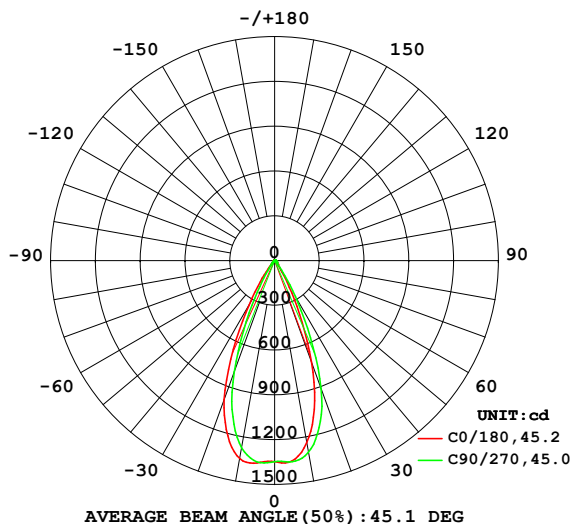


LUMINAIRE PHOTOMETRIC TEST REPORT

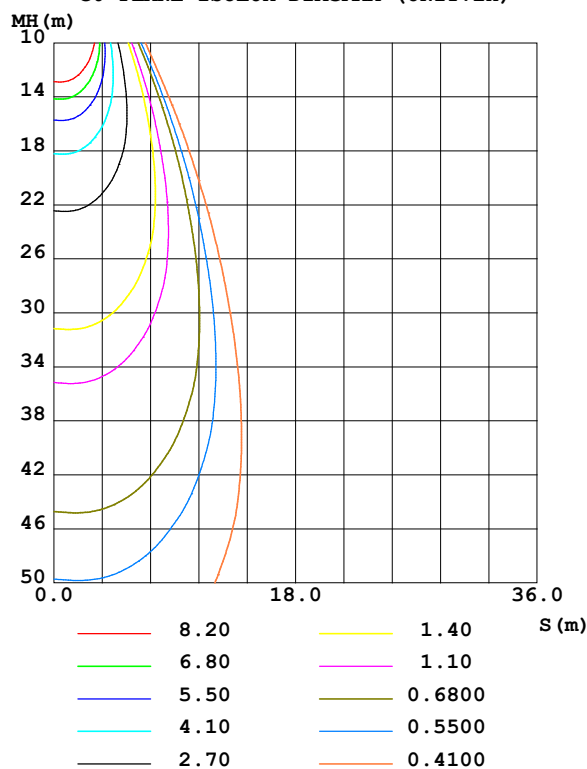
| | | |
|---|-------------|------------------|
| Test:U:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 77.64 lm/W | | | |
|------------------|-----------------------|----------------------------------|--------|-------------------|----------|
| MODEL | DL3232 3000K Ra90 36D | I _{max} (cd) | 1366 | S/MH(C0/180) | 0.74 |
| NOMINAL POWER(W) | 10 | LOR(%) | 100.0 | S/MH(C90/270) | 0.66 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 790.92 | η UP,DN(C0-180) | 0.3,50.7 |
| NOMINAL FLUX(lm) | 790.915 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.4,48.6 |
| LAMPS INSIDE | 1 | η up (%) | 0.7 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 220 | η down (%) | 99.3 | CIBSE SHR MAX | 0.70 |

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: 2024-03-18

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 | 1240 | 1270 | 1304 | 1337 | 1346 | 1313 | 1273 | 1234 | 0- 10 | 127.2 | 127.2 | 16.1,16.1 |
| 20 | 722.1 | 815.6 | 913.2 | 968.4 | 991.0 | 917.3 | 792.9 | 714.0 | 10- 20 | 306.6 | 433.7 | 54.8,54.8 |
| 30 | 172.3 | 218.8 | 279.5 | 336.8 | 346.5 | 287.6 | 200.7 | 172.2 | 20- 30 | 237.3 | 671.0 | 84.8,84.8 |
| 40 | 35.56 | 35.39 | 36.35 | 48.41 | 50.65 | 45.64 | 37.23 | 37.75 | 30- 40 | 68.84 | 739.8 | 93.5,93.5 |
| 50 | 16.89 | 17.90 | 18.54 | 19.20 | 20.21 | 18.96 | 19.02 | 18.22 | 40- 50 | 20.75 | 760.6 | 96.2,96.2 |
| 60 | 10.45 | 11.14 | 11.77 | 12.61 | 12.83 | 11.75 | 10.78 | 10.31 | 50- 60 | 13.21 | 773.8 | 97.8,97.8 |
| 70 | 3.570 | 4.180 | 5.079 | 5.774 | 5.732 | 5.116 | 4.378 | 3.688 | 60- 70 | 8.123 | 781.9 | 98.9,98.9 |
| 80 | 0.4500 | 0.8200 | 1.253 | 1.788 | 0.9583 | 1.292 | 0.9726 | 0.5517 | 70- 80 | 2.884 | 784.8 | 99.2,99.2 |
| 90 | 0.0068 | 0.0045 | 0.0001 | 0.0001 | 0.0023 | 0.0023 | 0.0069 | 0.0069 | 80- 90 | 0.2902 | 785.1 | 99.3,99.3 |
| 100 | 0.0270 | 0.0203 | 0.0159 | 0.0045 | 0.0270 | 0.0228 | 0.0297 | 0.0343 | 90-100 | 0.0119 | 785.1 | 99.3,99.3 |
| 110 | 0.0743 | 0.0635 | 0.0615 | 0.0548 | 0.0677 | 0.0704 | 0.0799 | 0.0961 | 100-110 | 0.0457 | 785.2 | 99.3,99.3 |
| 120 | 0.1890 | 0.1587 | 0.1298 | 0.1233 | 0.2235 | 0.2613 | 0.3218 | 0.3754 | 110-120 | 0.1292 | 785.3 | 99.3,99.3 |
| 130 | 0.6302 | 0.5393 | 0.4302 | 0.3812 | 0.7672 | 0.8566 | 0.9997 | 1.110 | 120-130 | 0.3877 | 785.7 | 99.3,99.3 |
| 140 | 1.524 | 1.374 | 1.189 | 1.082 | 1.771 | 1.899 | 2.096 | 2.237 | 130-140 | 0.8824 | 786.6 | 99.4,99.4 |
| 150 | 2.584 | 2.434 | 2.262 | 2.138 | 2.983 | 3.088 | 3.288 | 3.389 | 140-150 | 1.375 | 787.9 | 99.6,99.6 |
| 160 | 3.371 | 3.301 | 3.218 | 3.119 | 3.929 | 3.986 | 4.106 | 4.083 | 150-160 | 1.487 | 789.4 | 99.8,99.8 |
| 170 | 3.959 | 3.912 | 3.881 | 3.807 | 4.350 | 4.355 | 4.340 | 4.284 | 160-170 | 1.094 | 790.5 | 99.9,99.9 |
| 180 | 4.449 | 4.486 | 4.390 | 4.375 | 4.476 | 4.505 | 4.418 | 4.384 | 170-180 | 0.4040 | 790.9 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 751.88 lm

%lum = 95.1%

%lamp = 95.1%

Conical surface Flux(130deg): 778.61 lm

%lum = 98.4%

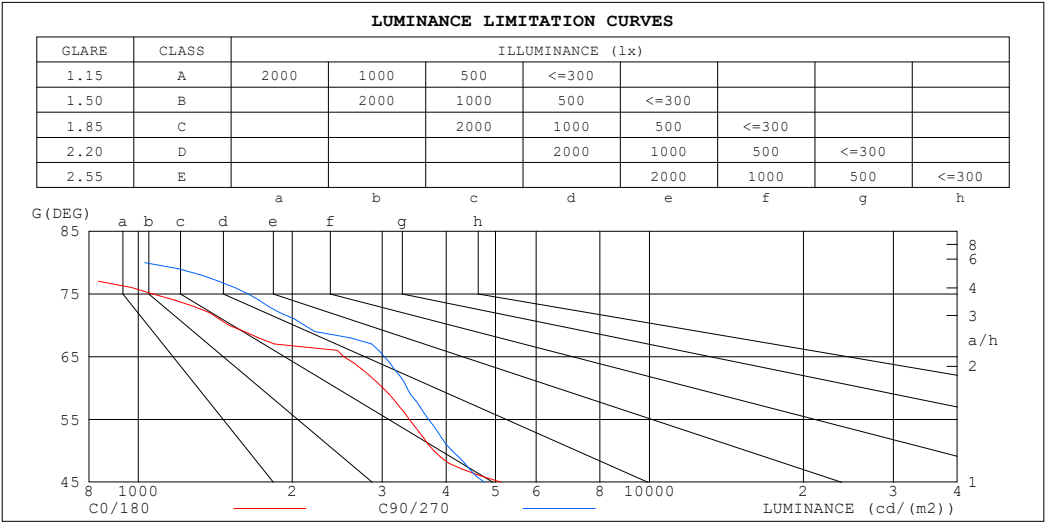
%lamp = 98.4%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 49 | 125 |
| 80 | 374 | 1028 |
| 75 | 1068 | 1641 |
| 70 | 1505 | 2117 |
| 65 | 2524 | 3031 |
| 60 | 3012 | 3356 |
| 55 | 3392 | 3697 |
| 50 | 3788 | 4112 |
| 45 | 5128 | 4748 |

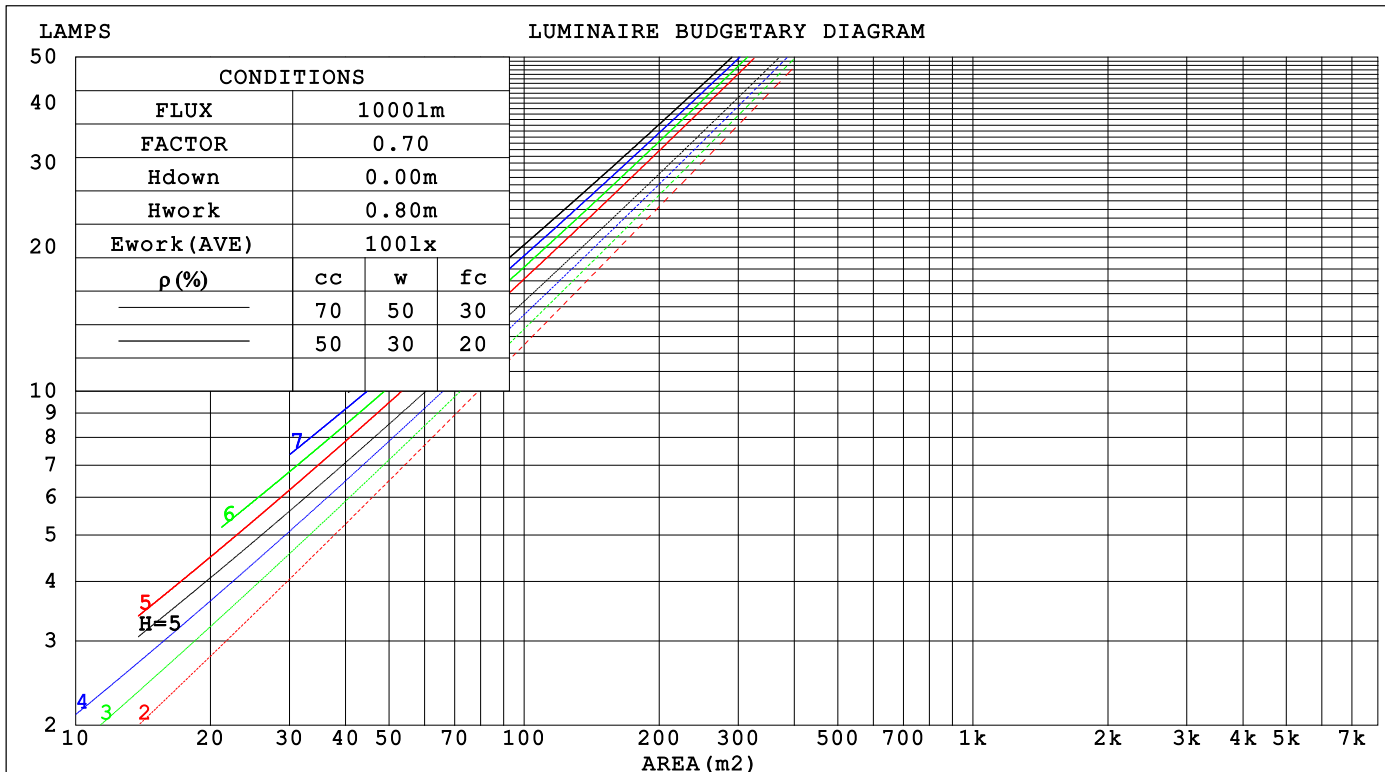
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz | | | UTHDi:0.00% ITHDi:0.00% KDisp:0 | | | Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | DIM.: | | | SERIAL No.: | | |
| MFR.: VJC Lighting | | | SUR.: 84*84 | | | 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 | .166 | .095 | .030 | .159 | .091 | .029 | .146 | .084 | .027 | .135 | .078 | .025 | .124 | .072 | .023 | | |
| 2.0 | .157 | .086 | .026 | .152 | .083 | .026 | .141 | .078 | .024 | .131 | .073 | .023 | .121 | .069 | .022 | | |
| 3.0 | .149 | .079 | .024 | .144 | .077 | .023 | .134 | .073 | .022 | .126 | .069 | .021 | .118 | .065 | .020 | | |
| 4.0 | .140 | .073 | .021 | .136 | .071 | .021 | .128 | .068 | .020 | .121 | .065 | .020 | .114 | .062 | .019 | | |
| 5.0 | .133 | .068 | .020 | .129 | .066 | .019 | .123 | .064 | .019 | .116 | .061 | .018 | .110 | .059 | .018 | | |
| 6.0 | .127 | .063 | .018 | .123 | .062 | .018 | .117 | .060 | .017 | .112 | .058 | .017 | .106 | .056 | .017 | | |
| 7.0 | .121 | .060 | .017 | .118 | .059 | .017 | .112 | .057 | .016 | .107 | .055 | .016 | .103 | .053 | .016 | | |
| 8.0 | .115 | .056 | .016 | .113 | .056 | .016 | .108 | .054 | .015 | .104 | .052 | .015 | .099 | .051 | .015 | | |
| 9.0 | .110 | .053 | .015 | .108 | .053 | .015 | .104 | .051 | .015 | .100 | .050 | .014 | .096 | .049 | .014 | | |
| 10.0 | .106 | .051 | .014 | .104 | .050 | .014 | .100 | .049 | .014 | .096 | .048 | .014 | .093 | .047 | .013 | | |

| 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 | .176 | .163 | .151 | .151 | .140 | .130 | .103 | .096 | .090 | .059 | .056 | .052 | .019 | .018 | .017 | | |
| 2.0 | .160 | .138 | .120 | .137 | .119 | .104 | .094 | .082 | .072 | .054 | .048 | .042 | .017 | .015 | .014 | | |
| 3.0 | .147 | .119 | .097 | .126 | .103 | .084 | .086 | .071 | .059 | .050 | .042 | .035 | .016 | .014 | .011 | | |
| 4.0 | .136 | .104 | .080 | .117 | .090 | .070 | .080 | .063 | .049 | .046 | .037 | .029 | .015 | .012 | .010 | | |
| 5.0 | .126 | .092 | .067 | .109 | .080 | .059 | .075 | .056 | .041 | .043 | .033 | .025 | .014 | .011 | .008 | | |
| 6.0 | .119 | .083 | .057 | .102 | .072 | .050 | .070 | .050 | .035 | .041 | .030 | .021 | .013 | .010 | .007 | | |
| 7.0 | .112 | .075 | .050 | .096 | .065 | .043 | .066 | .046 | .031 | .039 | .027 | .018 | .012 | .009 | .006 | | |
| 8.0 | .106 | .069 | .043 | .091 | .060 | .038 | .063 | .042 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | | |
| 9.0 | .100 | .063 | .039 | .087 | .055 | .034 | .060 | .039 | .024 | .035 | .023 | .014 | .011 | .008 | .005 | | |
| 10.0 | .096 | .059 | .035 | .083 | .051 | .030 | .057 | .036 | .021 | .033 | .021 | .013 | .011 | .007 | .004 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | | | | | | | | | | |
| NAME: DL3232 3000K Ra90 36D | | | | | | TYPE: | | WEIGHT: | | | |
| SPEC.: | | | | | | DIM.: | | SERIAL No.: | | | |
| MFR.: VJC Lighting | | | | | | SUR.: 84*84 | | 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 | | 11.8 | 12.6 | 12.0 | 12.8 | 13.0 | 13.1 | 13.9 | 13.3 | 14.1 | 14.3 |
| 3H | | 12.1 | 12.9 | 12.4 | 13.1 | 13.3 | 13.5 | 14.2 | 13.7 | 14.4 | 14.6 |
| 4H | | 12.1 | 12.9 | 12.4 | 13.1 | 13.3 | 13.5 | 14.3 | 13.8 | 14.5 | 14.7 |
| 6H | | 12.1 | 12.8 | 12.4 | 13.0 | 13.3 | 13.5 | 14.2 | 13.8 | 14.5 | 14.7 |
| 8H | | 12.0 | 12.7 | 12.4 | 13.0 | 13.2 | 13.5 | 14.1 | 13.8 | 14.4 | 14.7 |
| 12H | | 12.0 | 12.6 | 12.3 | 12.9 | 13.2 | 13.4 | 14.1 | 13.8 | 14.4 | 14.6 |
| 4H 2H | | 12.0 | 12.7 | 12.3 | 12.9 | 13.2 | 13.2 | 13.9 | 13.4 | 14.1 | 14.4 |
| 3H | | 12.4 | 13.0 | 12.7 | 13.3 | 13.6 | 13.6 | 14.2 | 13.9 | 14.5 | 14.8 |
| 4H | | 12.4 | 13.0 | 12.8 | 13.3 | 13.6 | 13.7 | 14.3 | 14.0 | 14.6 | 14.9 |
| 6H | | 12.4 | 12.9 | 12.8 | 13.3 | 13.6 | 13.7 | 14.2 | 14.1 | 14.6 | 14.9 |
| 8H | | 12.3 | 12.8 | 12.7 | 13.2 | 13.6 | 13.7 | 14.2 | 14.1 | 14.5 | 14.9 |
| 12H | | 12.3 | 12.7 | 12.7 | 13.1 | 13.5 | 13.6 | 14.1 | 14.0 | 14.4 | 14.9 |
| 8H 4H | | 12.4 | 12.9 | 12.8 | 13.2 | 13.6 | 13.6 | 14.1 | 14.0 | 14.5 | 14.8 |
| 6H | | 12.4 | 12.8 | 12.8 | 13.2 | 13.6 | 13.6 | 14.0 | 14.1 | 14.4 | 14.9 |
| 8H | | 12.3 | 12.7 | 12.8 | 13.1 | 13.5 | 13.6 | 14.0 | 14.1 | 14.4 | 14.8 |
| 12H | | 12.3 | 12.5 | 12.7 | 13.0 | 13.5 | 13.6 | 13.9 | 14.0 | 14.3 | 14.8 |
| 12H 4H | | 12.4 | 12.8 | 12.8 | 13.2 | 13.6 | 13.6 | 14.0 | 14.0 | 14.4 | 14.8 |
| 6H | | 12.3 | 12.7 | 12.8 | 13.1 | 13.5 | 13.6 | 13.9 | 14.1 | 14.4 | 14.8 |
| 8H | | 12.3 | 12.6 | 12.7 | 13.0 | 13.5 | 13.6 | 13.9 | 14.0 | 14.3 | 14.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.8 / - 1.2 | | | | + 1.6 / - 1.2 | | | | | |
| 1.5H | | + 1.3 / - 0.9 | | | | + 2.8 / - 0.9 | | | | | |
| 2.0H | | + 1.2 / - 0.9 | | | | + 0.9 / - 0.8 | | | | | |

CIE Pub.117, 790.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.8)
Area: 0.007 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |

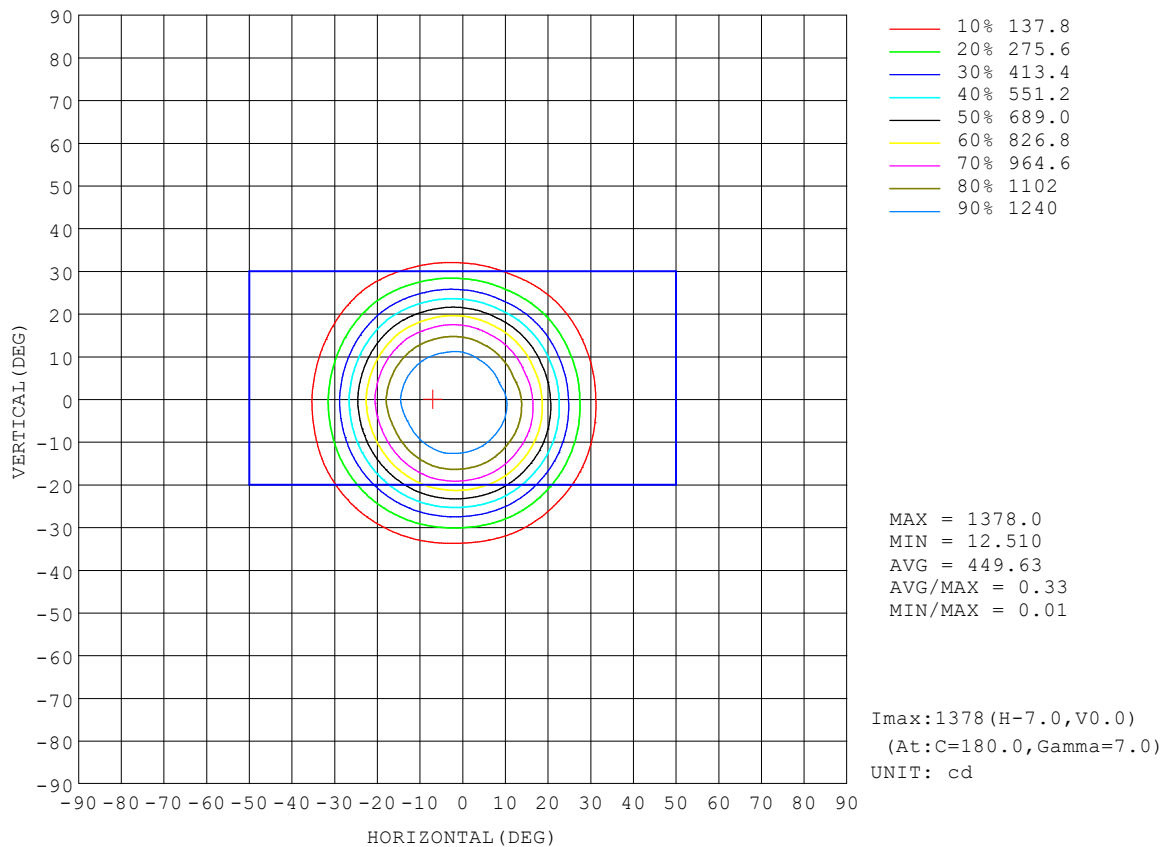
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 88 | 81 | 78 | 87 | 81 | 77 | 86 | 81 | 77 | 74 |
| 0.80 | 95 | 89 | 85 | 94 | 89 | 85 | 93 | 88 | 85 | 81 |
| 1.00 | 99 | 94 | 90 | 98 | 93 | 90 | 97 | 93 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 106 | 101 | 98 | 104 | 100 | 97 | 102 | 99 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 99 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 112 | 108 | 105 | 110 | 107 | 104 | 106 | 104 | 102 | 95 |
| 4.00 | 114 | 111 | 109 | 112 | 109 | 107 | 108 | 106 | 104 | 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 °C
Operators: 001
Test Date: 2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |

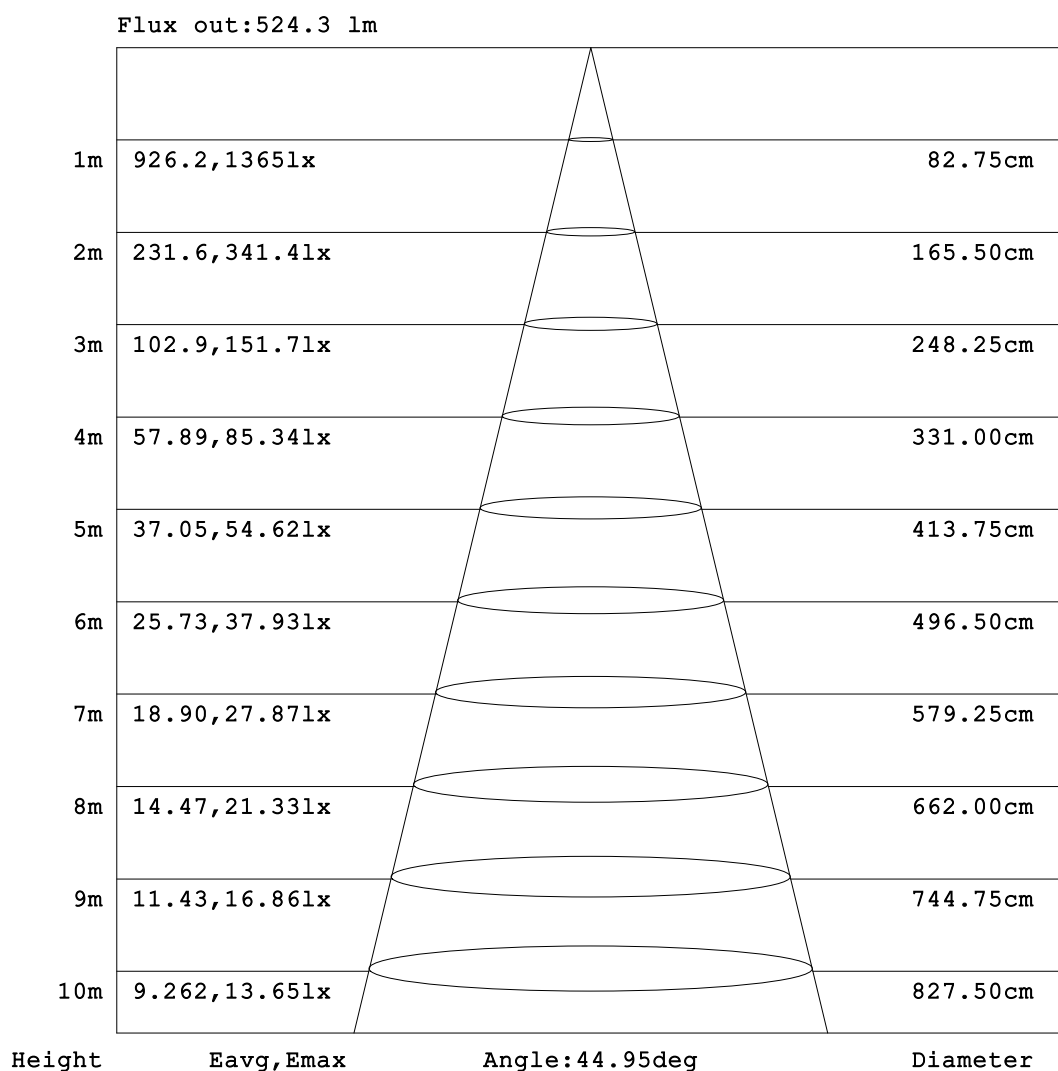


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |



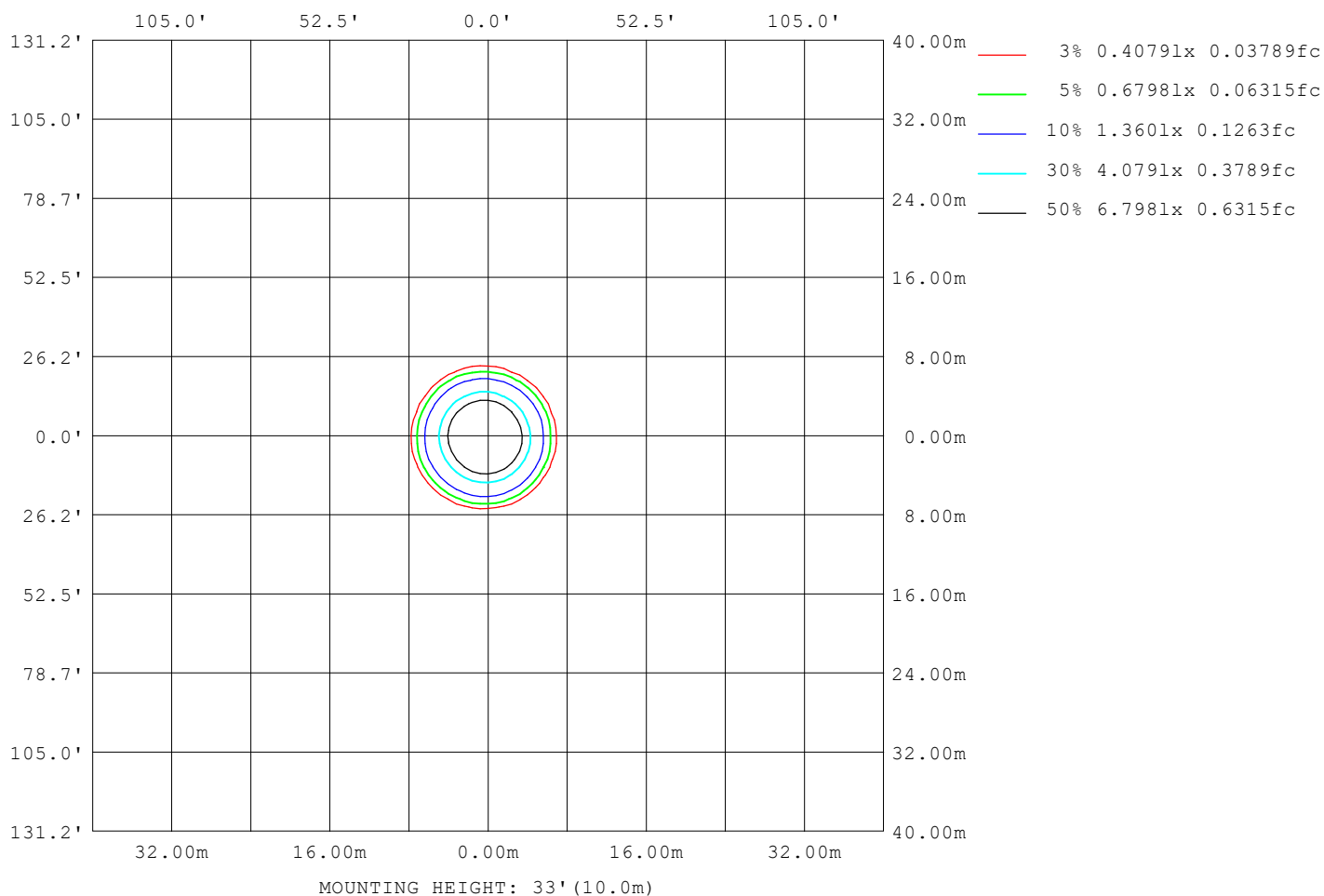
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | |
| NAME: DL3232 3000K Ra90 36D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC Lighting | SUR.: 84*84 | Shielding Angle: |

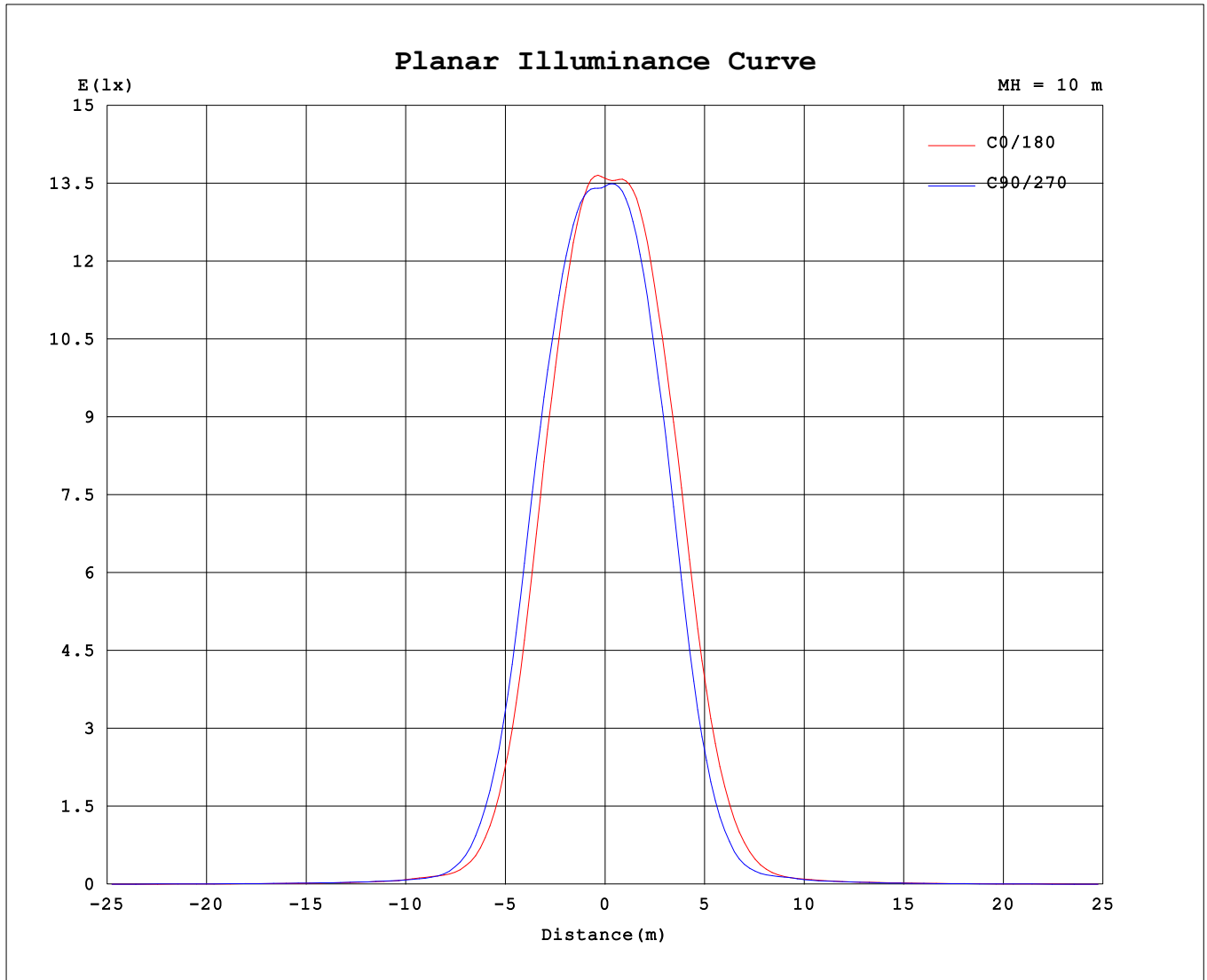
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 2894 |
| L_0~180 (75) av | 1483 |
| L_0~180 (85) av | 53 |
| L_90~270 (65) av | 2840 |
| L_90~270 (75) av | 1506 |
| L_90~270 (85) av | 79 |
| L_45 (65) av | 2848 |
| L_45 (75) av | 1475 |
| L_45 (85) av | 289 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-03-18

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: 2024-03-18

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:230.73V I:0.0775A P:10.187W PF:0.5697 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:790.915x1 lm | | | | | | | | | | | | | | | | | |
| NAME: DL3232 3000K Ra90 36D | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: | | | | | | SERIAL No.: | | |
| MFR.: VJC Lighting | | | | | | | | | SUR.: 84*84 | | | | | | 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 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | 1347 | | | |
| 5 | 1347 | 1348 | 1348 | 1350 | 1352 | 1354 | 1357 | 1358 | 1361 | 1361 | 1358 | 1354 | 1353 | 1348 | 1346 | 1343 | | | |
| 10 | 1240 | 1258 | 1270 | 1288 | 1304 | 1325 | 1337 | 1343 | 1346 | 1331 | 1313 | 1288 | 1273 | 1245 | 1234 | 1226 | | | |
| 15 | 1030 | 1067 | 1094 | 1132 | 1158 | 1188 | 1199 | 1208 | 1215 | 1195 | 1164 | 1120 | 1084 | 1043 | 1023 | 1011 | | | |
| 20 | 722 | 772 | 816 | 873 | 913 | 954 | 968 | 978 | 991 | 960 | 917 | 847 | 793 | 735 | 714 | 704 | | | |
| 25 | 397 | 437 | 478 | 532 | 571 | 615 | 637 | 652 | 655 | 619 | 578 | 507 | 452 | 403 | 394 | 387 | | | |
| 30 | 172 | 193 | 219 | 255 | 280 | 314 | 337 | 352 | 346 | 317 | 288 | 238 | 201 | 173 | 172 | 169 | | | |
| 35 | 64.4 | 68.3 | 76.3 | 93.1 | 102 | 123 | 140 | 154 | 146 | 125 | 111 | 85.8 | 70.3 | 65.3 | 65.4 | 61.9 | | | |
| 40 | 35.6 | 35.1 | 35.4 | 35.7 | 36.3 | 42.7 | 48.4 | 51.7 | 50.6 | 48.2 | 45.6 | 39.2 | 37.2 | 36.6 | 37.8 | 36.1 | | | |
| 45 | 25.2 | 24.6 | 25.1 | 25.2 | 23.6 | 25.0 | 26.6 | 27.9 | 27.8 | 28.0 | 27.9 | 26.8 | 25.9 | 23.8 | 24.7 | 24.1 | | | |
| 50 | 16.9 | 17.3 | 17.9 | 18.7 | 18.5 | 19.2 | 19.2 | 19.6 | 20.2 | 19.0 | 19.0 | 18.5 | 19.0 | 18.3 | 18.2 | 17.1 | | | |
| 55 | 13.5 | 14.1 | 14.5 | 15.0 | 14.9 | 15.4 | 15.6 | 16.0 | 16.2 | 15.1 | 15.1 | 14.0 | 14.2 | 14.5 | 13.9 | 13.3 | | | |
| 60 | 10.4 | 10.9 | 11.1 | 11.6 | 11.8 | 12.4 | 12.6 | 12.9 | 12.8 | 11.9 | 11.8 | 11.0 | 10.8 | 10.1 | 10.3 | 10.2 | | | |
| 65 | 7.40 | 7.66 | 7.92 | 8.66 | 8.99 | 9.45 | 9.77 | 9.81 | 9.72 | 8.96 | 8.69 | 8.11 | 7.81 | 7.22 | 7.32 | 7.24 | | | |
| 70 | 3.57 | 3.83 | 4.18 | 4.69 | 5.08 | 5.57 | 5.77 | 5.80 | 5.73 | 5.36 | 5.12 | 4.65 | 4.38 | 3.81 | 3.69 | 3.58 | | | |
| 75 | 1.92 | 2.15 | 2.27 | 2.70 | 2.98 | 3.38 | 3.50 | 3.53 | 3.45 | 3.13 | 2.93 | 2.64 | 2.48 | 2.05 | 1.99 | 1.93 | | | |
| 80 | 0.45 | 0.66 | 0.82 | 1.13 | 1.25 | 1.70 | 1.79 | 1.73 | 0.96 | 1.43 | 1.29 | 1.09 | 0.97 | 0.62 | 0.55 | 0.52 | | | |
| 85 | 0.03 | 0.01 | 0.06 | 0.04 | 0.08 | 0.15 | 0.47 | 0.21 | 0.04 | 0.12 | 0.16 | 0.06 | 0.02 | 0.04 | 0.01 | 0.03 | | | |
| 90 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | | | |
| 95 | 0.01 | 0.02 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | | | |
| 100 | 0.03 | 0.05 | 0.02 | 0.04 | 0.02 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.03 | 0.01 | 0.03 | 0.01 | | | |
| 105 | 0.05 | 0.07 | 0.04 | 0.06 | 0.04 | 0.05 | 0.03 | 0.05 | 0.04 | 0.02 | 0.04 | 0.02 | 0.05 | 0.03 | 0.05 | 0.03 | | | |
| 110 | 0.07 | 0.09 | 0.06 | 0.08 | 0.06 | 0.08 | 0.05 | 0.07 | 0.07 | 0.05 | 0.07 | 0.05 | 0.08 | 0.06 | 0.10 | 0.07 | | | |
| 115 | 0.11 | 0.12 | 0.10 | 0.12 | 0.09 | 0.11 | 0.08 | 0.11 | 0.12 | 0.10 | 0.13 | 0.12 | 0.16 | 0.15 | 0.19 | 0.17 | | | |
| 120 | 0.19 | 0.20 | 0.16 | 0.17 | 0.13 | 0.15 | 0.12 | 0.15 | 0.22 | 0.22 | 0.26 | 0.27 | 0.32 | 0.33 | 0.38 | 0.37 | | | |
| 125 | 0.35 | 0.34 | 0.29 | 0.28 | 0.23 | 0.24 | 0.21 | 0.23 | 0.44 | 0.44 | 0.50 | 0.53 | 0.60 | 0.64 | 0.68 | 0.69 | | | |
| 130 | 0.63 | 0.61 | 0.54 | 0.50 | 0.43 | 0.42 | 0.38 | 0.40 | 0.77 | 0.79 | 0.86 | 0.92 | 1.00 | 1.05 | 1.11 | 1.12 | | | |
| 135 | 1.02 | 0.98 | 0.90 | 0.83 | 0.75 | 0.71 | 0.67 | 0.69 | 1.22 | 1.26 | 1.34 | 1.41 | 1.51 | 1.58 | 1.64 | 1.65 | | | |
| 140 | 1.52 | 1.47 | 1.37 | 1.29 | 1.19 | 1.13 | 1.08 | 1.09 | 1.77 | 1.81 | 1.90 | 1.98 | 2.10 | 2.18 | 2.24 | 2.25 | | | |
| 145 | 2.06 | 2.01 | 1.91 | 1.82 | 1.71 | 1.64 | 1.59 | 1.60 | 2.37 | 2.42 | 2.50 | 2.60 | 2.71 | 2.79 | 2.84 | 2.84 | | | |
| 150 | 2.58 | 2.54 | 2.43 | 2.35 | 2.26 | 2.19 | 2.14 | 2.15 | 2.98 | 3.02 | 3.09 | 3.18 | 3.29 | 3.34 | 3.39 | 3.38 | | | |
| 155 | 3.03 | 3.00 | 2.91 | 2.86 | 2.78 | 2.73 | 2.67 | 2.68 | 3.52 | 3.53 | 3.61 | 3.68 | 3.78 | 3.80 | 3.82 | 3.79 | | | |
| 160 | 3.37 | 3.35 | 3.30 | 3.28 | 3.22 | 3.17 | 3.12 | 3.12 | 3.93 | 3.93 | 3.99 | 4.03 | 4.11 | 4.08 | 4.08 | 4.03 | | | |
| 165 | 3.67 | 3.65 | 3.62 | 3.63 | 3.58 | 3.55 | 3.50 | 3.50 | 4.19 | 4.18 | 4.21 | 4.21 | 4.27 | 4.22 | 4.20 | 4.15 | | | |
| 170 | 3.96 | 3.96 | 3.91 | 3.94 | 3.88 | 3.85 | 3.81 | 3.83 | 4.35 | 4.35 | 4.36 | 4.30 | 4.34 | 4.29 | 4.28 | 4.24 | | | |
| 175 | 4.23 | 4.26 | 4.24 | 4.23 | 4.15 | 4.15 | 4.14 | 4.13 | 4.44 | 4.46 | 4.50 | 4.42 | 4.41 | 4.38 | 4.39 | 4.31 | | | |
| 180 | 4.45 | 4.48 | 4.49 | 4.45 | 4.39 | 4.38 | 4.37 | 4.35 | 4.48 | 4.47 | 4.50 | 4.44 | 4.42 | 4.38 | 4.38 | 4.34 | | | |

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:001

Test Date:2024-03-18

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: