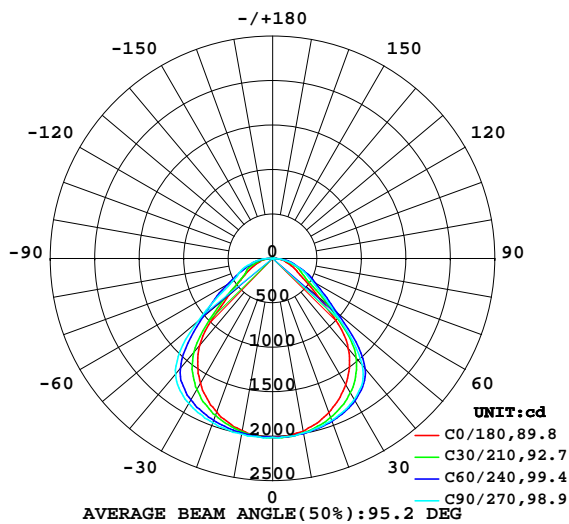
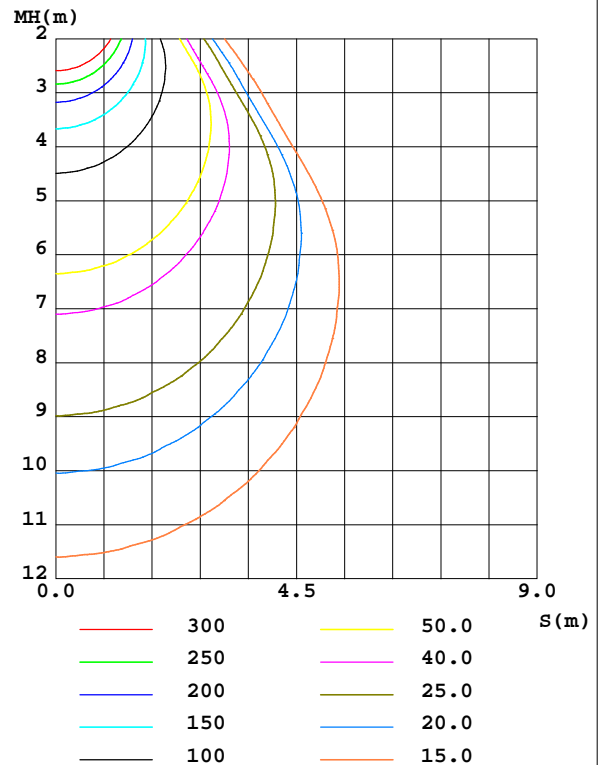


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 100.35 lm/W |
|------------------|---------|------------------|--------|------------------------|--|------------------|
| MODEL | | Imax(cd) | 2022 | S/MH(C0/180) | | 1.20 |
| NOMINAL POWER(W) | 50 | LOR(%) | 100.0 | S/MH(C90/270) | | 1.40 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 4693.6 | η UP,DN(C0-180) | | 0.3,48.4 |
| NOMINAL FLUX(lm) | 4693.62 | CIE CLASS | DIRECT | η UP,DN(C180-360) | | 0.3,51.0 |
| LAMPS INSIDE | 1 | η up(%) | 0.6 | CIBSE SHR NOM | | 1.25 |
| TEST VOLTAGE(V) | 229.3 | η down(%) | 99.4 | CIBSE SHR MAX | | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [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 | 1973 | 1996 | 1994 | 1966 | 1967 | 1987 | 2008 | 1995 | 0- 10 | 190.9 | 190.9 | 4.07,4.07 |
| 20 | 1847 | 1927 | 1937 | 1846 | 1840 | 1908 | 1967 | 1903 | 10- 20 | 550.3 | 741.2 | 15.8,15.8 |
| 30 | 1643 | 1799 | 1833 | 1643 | 1624 | 1770 | 1884 | 1743 | 20- 30 | 843.0 | 1584 | 33.8,33.8 |
| 40 | 1326 | 1542 | 1568 | 1271 | 1277 | 1496 | 1700 | 1480 | 30- 40 | 1012 | 2596 | 55.3,55.3 |
| 50 | 667.4 | 880.9 | 873.7 | 632.2 | 646.4 | 872.3 | 1098 | 863.5 | 40- 50 | 882.5 | 3478 | 74.1,74.1 |
| 60 | 340.9 | 486.8 | 507.7 | 368.8 | 354.0 | 479.9 | 529.2 | 437.0 | 50- 60 | 533.2 | 4012 | 85.5,85.5 |
| 70 | 210.0 | 313.5 | 323.3 | 230.1 | 208.3 | 302.5 | 370.3 | 282.1 | 60- 70 | 354.0 | 4366 | 93,93 |
| 80 | 118.4 | 164.5 | 153.0 | 108.6 | 115.2 | 165.3 | 198.1 | 159.3 | 70- 80 | 222.1 | 4588 | 97.7,97.7 |
| 90 | 0.7340 | 0.9790 | 1.071 | 0.7935 | 0.8771 | 1.100 | 17.10 | 17.53 | 80- 90 | 79.13 | 4667 | 99.4,99.4 |
| 100 | 1.030 | 1.420 | 1.758 | 1.285 | 1.193 | 1.566 | 1.666 | 1.254 | 90-100 | 1.536 | 4668 | 99.5,99.5 |
| 110 | 1.656 | 2.313 | 2.808 | 2.229 | 1.771 | 2.474 | 2.466 | 1.852 | 100-110 | 1.861 | 4670 | 99.5,99.5 |
| 120 | 2.933 | 3.594 | 4.037 | 3.730 | 3.051 | 3.760 | 3.530 | 2.998 | 110-120 | 2.773 | 4673 | 99.6,99.6 |
| 130 | 4.789 | 5.106 | 5.520 | 5.420 | 4.824 | 5.206 | 4.894 | 4.532 | 120-130 | 3.799 | 4677 | 99.6,99.6 |
| 140 | 6.430 | 6.628 | 7.063 | 6.845 | 6.257 | 6.633 | 6.459 | 6.022 | 130-140 | 4.483 | 4681 | 99.7,99.7 |
| 150 | 7.993 | 8.151 | 8.397 | 8.027 | 7.461 | 7.899 | 7.870 | 7.582 | 140-150 | 4.526 | 4686 | 99.8,99.8 |
| 160 | 9.828 | 9.495 | 9.508 | 9.256 | 8.927 | 9.120 | 9.134 | 9.198 | 150-160 | 3.968 | 4690 | 99.9,99.9 |
| 170 | 11.32 | 10.40 | 10.33 | 10.33 | 10.37 | 10.16 | 10.10 | 10.50 | 160-170 | 2.783 | 4693 | 100,100 |
| 180 | 11.64 | 10.91 | 10.76 | 11.11 | 11.63 | 10.94 | 10.77 | 11.11 | 170-180 | 1.018 | 4694 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT: lm | | |

Conical surface Flux(90deg): 3083.5 lm

%lum = 65.7%

%lamp = 65.7%

Conical surface Flux(130deg): 4204 lm

%lum = 89.6%

%lamp = 89.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz
Lamp Flux:4693.62x1 lm

NAME: Verso 1500 50W WW

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

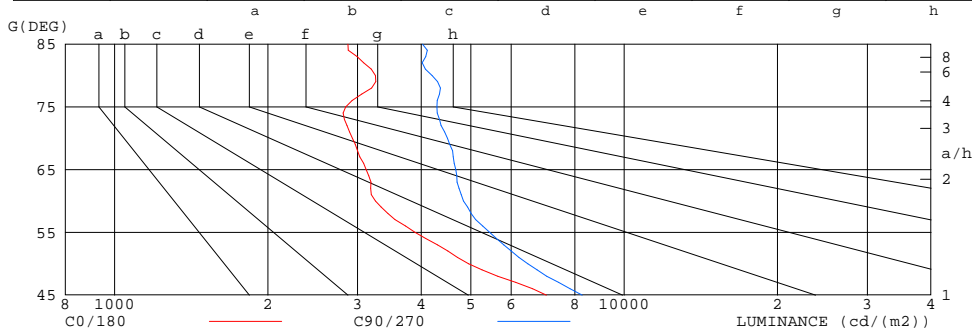
MFR.: PURATI PTY LTD

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |



LUMINANCE cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85 | 2871 | 4022 |
| 80 | 3252 | 4197 |
| 75 | 2842 | 4290 |
| 70 | 2928 | 4502 |
| 65 | 3116 | 4677 |
| 60 | 3251 | 4837 |
| 55 | 3887 | 5451 |
| 50 | 4951 | 6475 |
| 45 | 7043 | 8273 |

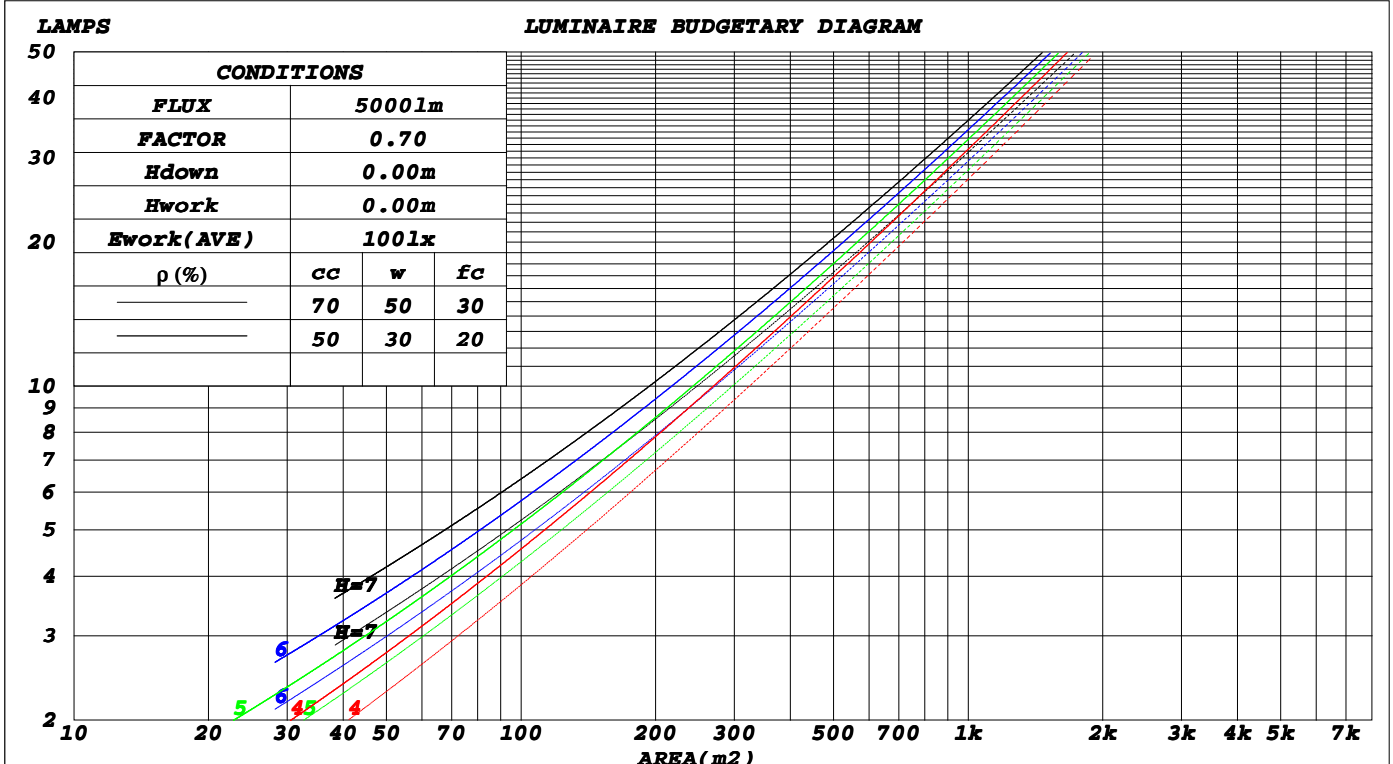
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 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 | 1.02 | 1.02 | 1.02 | .99 |
| 1.0 | 1.05 | 1.02 | .98 | 1.03 | .90 | .96 | .99 | .96 | .93 | .95 | .93 | .90 | .91 | .89 | .88 | .86 |
| 2.0 | .94 | .87 | .82 | .92 | .86 | .81 | .88 | .83 | .79 | .85 | .81 | .77 | .82 | .78 | .76 | .74 |
| 3.0 | .83 | .76 | .70 | .82 | .75 | .69 | .79 | .73 | .68 | .76 | .71 | .67 | .73 | .69 | .66 | .64 |
| 4.0 | .75 | .67 | .61 | .73 | .66 | .60 | .71 | .64 | .59 | .69 | .63 | .58 | .66 | .62 | .58 | .56 |
| 5.0 | .68 | .59 | .53 | .66 | .59 | .53 | .64 | .57 | .52 | .62 | .56 | .52 | .60 | .55 | .51 | .49 |
| 6.0 | .61 | .53 | .47 | .60 | .53 | .47 | .59 | .52 | .46 | .57 | .51 | .46 | .55 | .50 | .46 | .44 |
| 7.0 | .56 | .48 | .42 | .55 | .47 | .42 | .54 | .47 | .41 | .52 | .46 | .41 | .51 | .45 | .41 | .39 |
| 8.0 | .51 | .43 | .38 | .51 | .43 | .38 | .49 | .42 | .37 | .48 | .42 | .37 | .47 | .41 | .37 | .35 |
| 9.0 | .47 | .39 | .34 | .47 | .39 | .34 | .46 | .39 | .34 | .44 | .38 | .34 | .43 | .38 | .34 | .32 |
| 10.0 | .44 | .36 | .31 | .43 | .36 | .31 | .42 | .36 | .31 | .41 | .35 | .31 | .40 | .35 | .31 | .29 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | | | | | | | | | | | | | | |
|-------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | | | | | | | | | | | | | | |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | | | | | | | | | | | | | | |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | .277 | .157 | .050 | .270 | .154 | .049 | .256 | .147 | .047 | .244 | .141 | .045 | .233 | .135 | .043 | | | | | | | | | | | | | | | |
| 2.0 | .261 | .143 | .044 | .255 | .140 | .043 | .243 | .135 | .042 | .232 | .130 | .041 | .222 | .126 | .040 | | | | | | | | | | | | | | | |
| 3.0 | .243 | .130 | .039 | .238 | .127 | .038 | .228 | .123 | .037 | .218 | .119 | .037 | .209 | .116 | .036 | | | | | | | | | | | | | | | |
| 4.0 | .227 | .118 | .035 | .222 | .116 | .034 | .213 | .113 | .034 | .204 | .110 | .033 | .196 | .107 | .032 | | | | | | | | | | | | | | | |
| 5.0 | .211 | .108 | .031 | .207 | .106 | .031 | .199 | .104 | .030 | .191 | .101 | .030 | .184 | .099 | .030 | | | | | | | | | | | | | | | |
| 6.0 | .198 | .099 | .028 | .194 | .098 | .028 | .187 | .096 | .028 | .180 | .093 | .027 | .174 | .091 | .027 | | | | | | | | | | | | | | | |
| 7.0 | .185 | .092 | .026 | .182 | .091 | .026 | .175 | .089 | .026 | .169 | .087 | .025 | .164 | .085 | .025 | | | | | | | | | | | | | | | |
| 8.0 | .174 | .085 | .024 | .171 | .084 | .024 | .165 | .083 | .024 | .160 | .081 | .023 | .155 | .079 | .023 | | | | | | | | | | | | | | | |
| 9.0 | .164 | .079 | .022 | .161 | .079 | .022 | .156 | .077 | .022 | .151 | .076 | .022 | .147 | .074 | .022 | | | | | | | | | | | | | | | |
| 10.0 | .155 | .074 | .021 | .153 | .074 | .021 | .148 | .072 | .020 | .144 | .071 | .020 | .139 | .070 | .020 | | | | | | | | | | | | | | | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | | | | |
| 0.0 | .195 | .195 | .195 | .167 | .167 | .167 | .114 | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .182 | .161 | .141 | .156 | .138 | .122 | .107 | .095 | .084 | .061 | .055 | .049 | .020 | .018 | .016 | |
| 2.0 | .173 | .136 | .106 | .148 | .117 | .092 | .101 | .081 | .064 | .058 | .047 | .038 | .019 | .015 | .012 | |
| 3.0 | .164 | .119 | .082 | .140 | .102 | .072 | .096 | .071 | .050 | .056 | .041 | .030 | .018 | .013 | .010 | |
| 4.0 | .156 | .105 | .066 | .134 | .091 | .057 | .092 | .063 | .040 | .053 | .037 | .024 | .017 | .012 | .008 | |
| 5.0 | .148 | .094 | .054 | .127 | .082 | .047 | .088 | .057 | .033 | .051 | .033 | .020 | .016 | .011 | .007 | |
| 6.0 | .141 | .086 | .046 | .121 | .074 | .040 | .084 | .052 | .028 | .049 | .031 | .017 | .016 | .010 | .006 | |
| 7.0 | .135 | .079 | .040 | .116 | .068 | .034 | .080 | .048 | .024 | .047 | .028 | .015 | .015 | .009 | .005 | |
| 8.0 | .129 | .073 | .035 | .111 | .063 | .030 | .077 | .044 | .021 | .045 | .026 | .013 | .014 | .009 | .004 | |
| 9.0 | .123 | .068 | .031 | .106 | .059 | .027 | .073 | .041 | .019 | .043 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .118 | .064 | .028 | .101 | .055 | .024 | .070 | .039 | .017 | .041 | .023 | .010 | .013 | .008 | .003 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:26 February 2024
 γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|-------------------------|-------------|-------------|-------------|-------------|-----------------------|-------------|------------------|-------------|-------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | | | | | | | | | |
| NAME: Verso 1500 50W WW | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: PURATI PTY LTD | | | | | SUR.: | | | 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 | 12.1 | 13.4 | 12.3 | 13.6 | 13.9 | 13.5 | 14.9 | 13.7 | 15.1 | 15.3 |
| 3H | 12.9 | 14.2 | 13.2 | 14.4 | 14.6 | 14.5 | 15.8 | 14.8 | 16.0 | 16.3 |
| 4H | 13.3 | 14.5 | 13.6 | 14.7 | 15.0 | 15.0 | 16.2 | 15.3 | 16.5 | 16.7 |
| 6H | 13.7 | 14.8 | 14.0 | 15.1 | 15.4 | 15.5 | 16.6 | 15.8 | 16.9 | 17.1 |
| 8H | 13.8 | 14.9 | 14.2 | 15.2 | 15.5 | 15.6 | 16.7 | 15.9 | 17.0 | 17.3 |
| 12H | 13.9 | 15.0 | 14.3 | 15.3 | 15.6 | 15.7 | 16.8 | 16.1 | 17.1 | 17.4 |
| 4H 2H | 12.6 | 13.8 | 12.9 | 14.1 | 14.3 | 13.8 | 15.0 | 14.1 | 15.2 | 15.5 |
| 3H | 13.7 | 14.8 | 14.1 | 15.1 | 15.4 | 15.1 | 16.1 | 15.4 | 16.4 | 16.8 |
| 4H | 14.3 | 15.2 | 14.6 | 15.6 | 15.9 | 15.7 | 16.7 | 16.1 | 17.0 | 17.4 |
| 6H | 14.8 | 15.7 | 15.2 | 16.1 | 16.4 | 16.4 | 17.2 | 16.8 | 17.6 | 18.0 |
| 8H | 15.1 | 15.9 | 15.5 | 16.2 | 16.6 | 16.6 | 17.4 | 17.0 | 17.8 | 18.2 |
| 12H | 15.2 | 15.9 | 15.6 | 16.3 | 16.7 | 16.8 | 17.5 | 17.2 | 17.9 | 18.3 |
| 8H 4H | 14.7 | 15.5 | 15.1 | 15.8 | 16.2 | 16.0 | 16.8 | 16.4 | 17.1 | 17.5 |
| 6H | 15.5 | 16.1 | 15.9 | 16.5 | 17.0 | 16.8 | 17.5 | 17.3 | 17.9 | 18.3 |
| 8H | 15.8 | 16.4 | 16.3 | 16.8 | 17.3 | 17.2 | 17.7 | 17.6 | 18.2 | 18.6 |
| 12H | 16.0 | 16.5 | 16.5 | 17.0 | 17.5 | 17.5 | 18.0 | 17.9 | 18.4 | 18.9 |
| 12H 4H | 14.7 | 15.5 | 15.2 | 15.9 | 16.3 | 16.0 | 16.7 | 16.4 | 17.1 | 17.5 |
| 6H | 15.6 | 16.2 | 16.1 | 16.6 | 17.1 | 16.9 | 17.5 | 17.4 | 17.9 | 18.4 |
| 8H | 16.0 | 16.5 | 16.5 | 16.9 | 17.4 | 17.3 | 17.8 | 17.8 | 18.2 | 18.7 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.5 | | | | | + 0.4 / - 0.4 | | | | |
| 1.5H | + 0.2 / - 0.5 | | | | | + 0.2 / - 0.4 | | | | |
| 2.0H | + 0.9 / - 0.8 | | | | | + 0.7 / - 0.5 | | | | |

CIE Pub.117, 4694 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 5.4$)
Area: 0.21 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

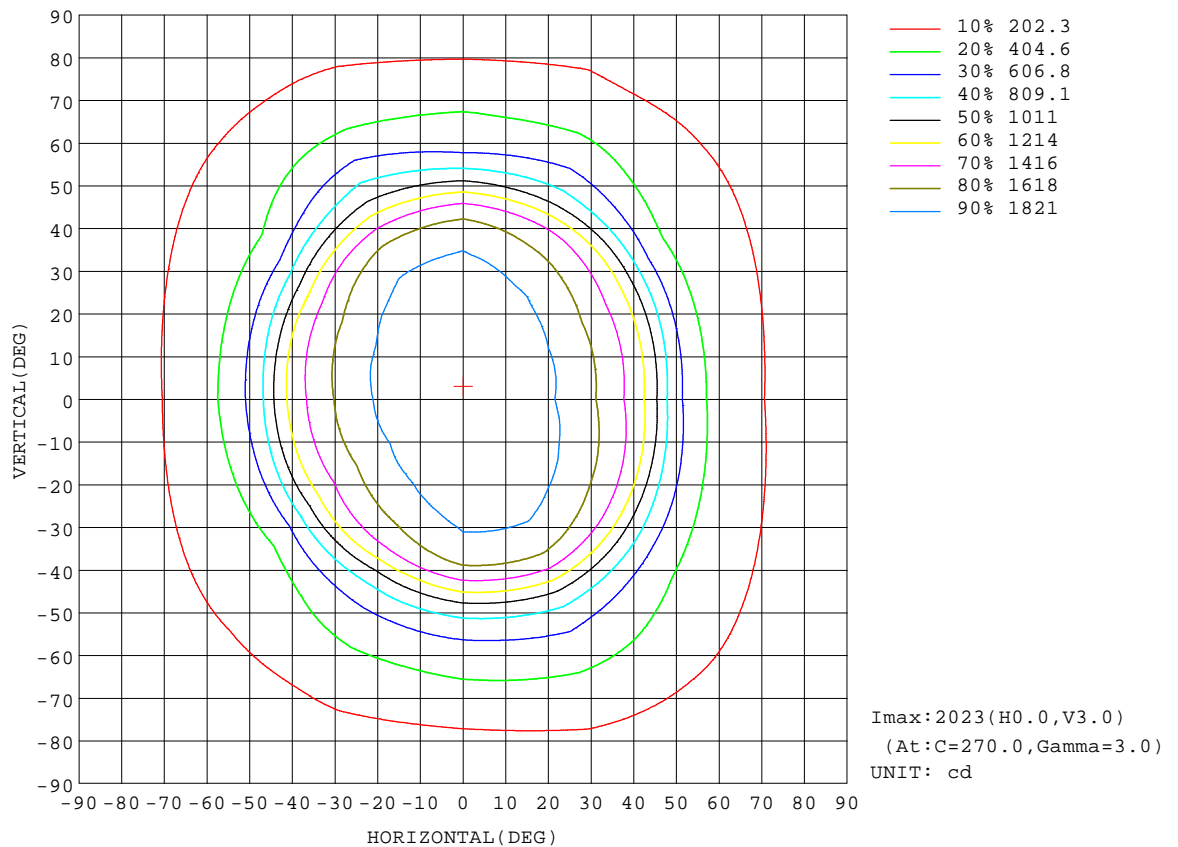
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 64 | 53 | 47 | 63 | 53 | 47 | 62 | 53 | 47 | 41 |
| 0.80 | 74 | 63 | 57 | 73 | 63 | 57 | 71 | 62 | 56 | 50 |
| 1.00 | 82 | 72 | 65 | 80 | 71 | 65 | 78 | 72 | 65 | 58 |
| 1.25 | 88 | 79 | 73 | 87 | 78 | 72 | 84 | 77 | 71 | 65 |
| 1.50 | 93 | 84 | 78 | 91 | 83 | 77 | 88 | 81 | 76 | 69 |
| 2.00 | 98 | 91 | 85 | 97 | 90 | 85 | 93 | 88 | 83 | 76 |
| 2.50 | 102 | 95 | 90 | 100 | 94 | 89 | 96 | 91 | 87 | 79 |
| 3.00 | 105 | 99 | 94 | 102 | 97 | 93 | 98 | 94 | 90 | 82 |
| 4.00 | 108 | 103 | 99 | 106 | 101 | 97 | 101 | 98 | 95 | 86 |
| 5.00 | 110 | 106 | 102 | 108 | 104 | 100 | 103 | 100 | 97 | 88 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

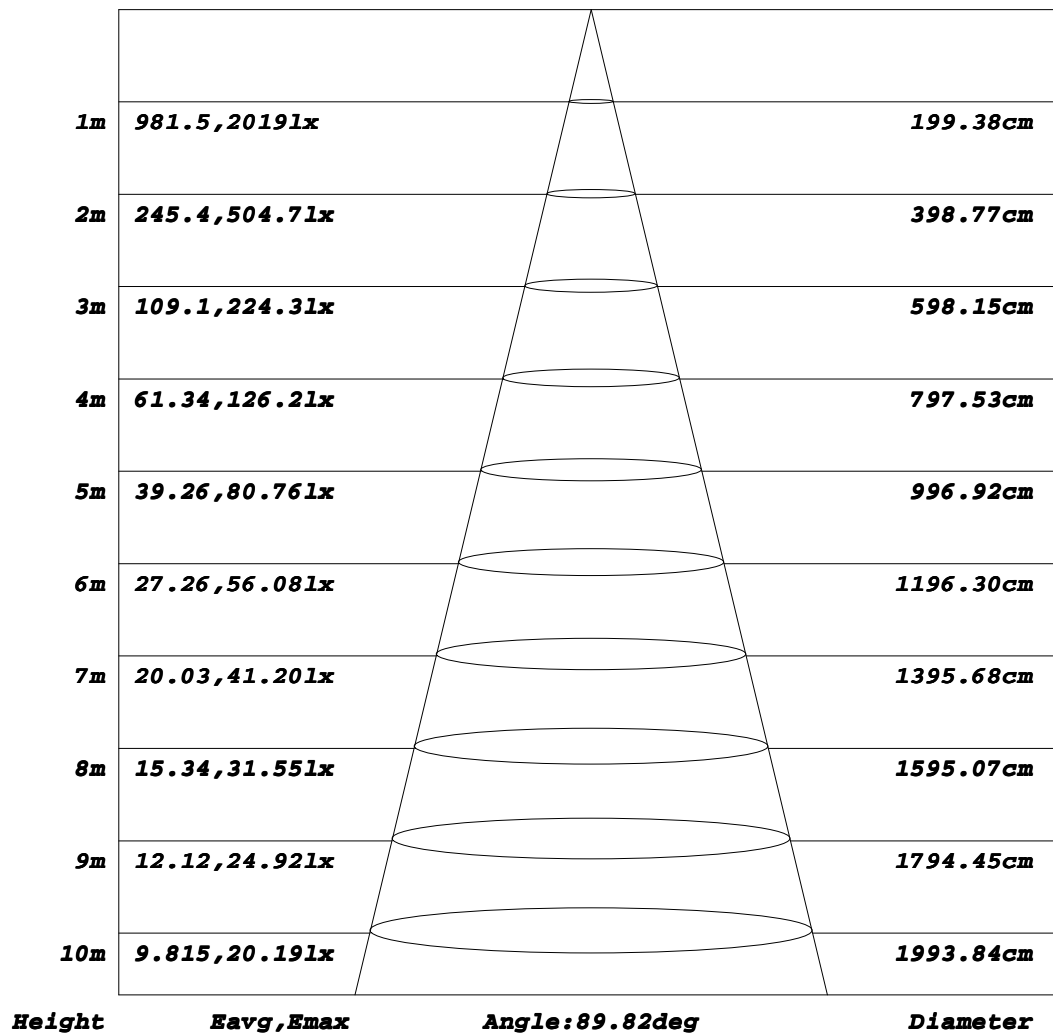


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

Flux out:3083 lm


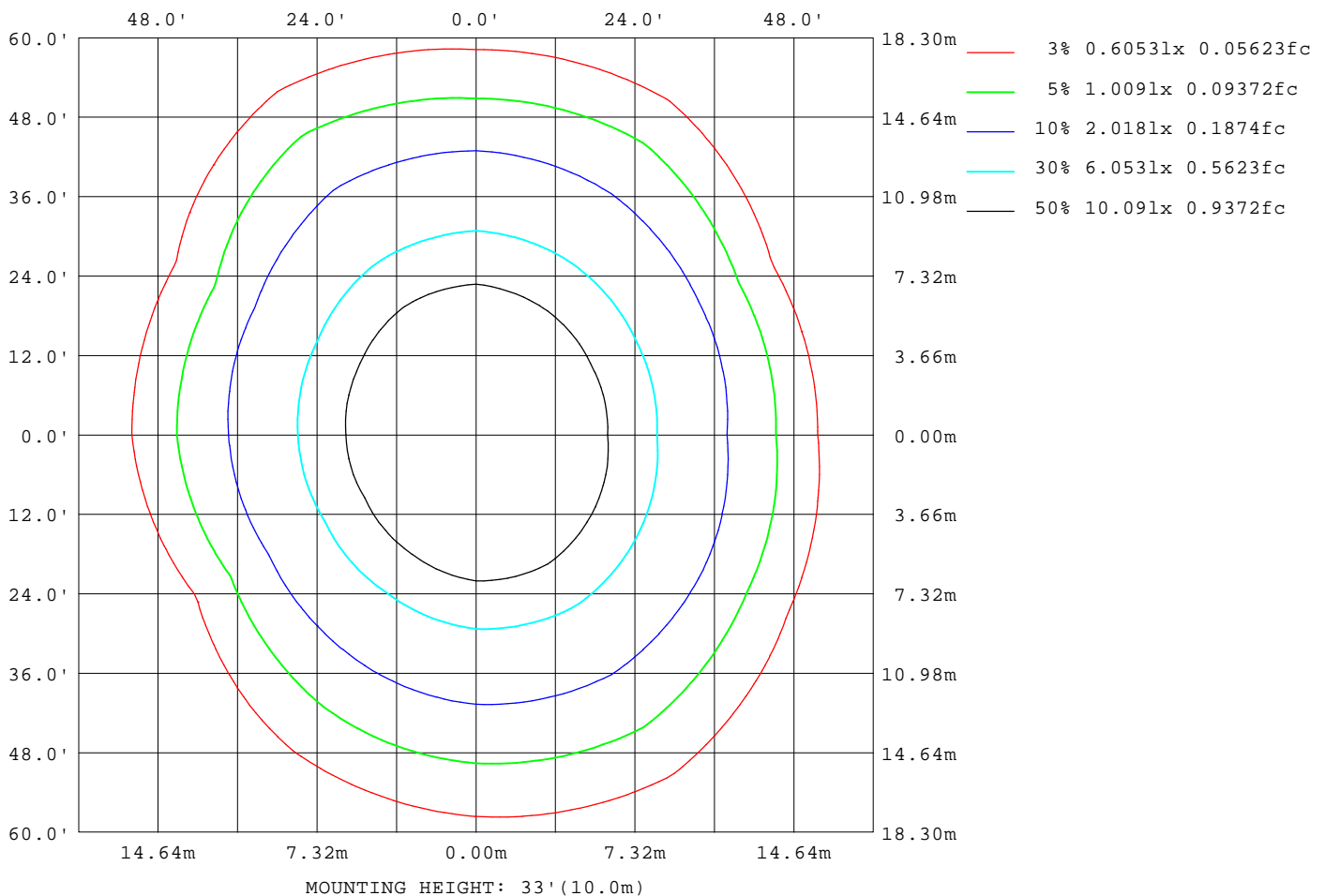
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|-------|------------------|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | |
| NAME: Verso 1500 50W WW | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: PURATI PTY LTD | SUR.: | Shielding Angle: |

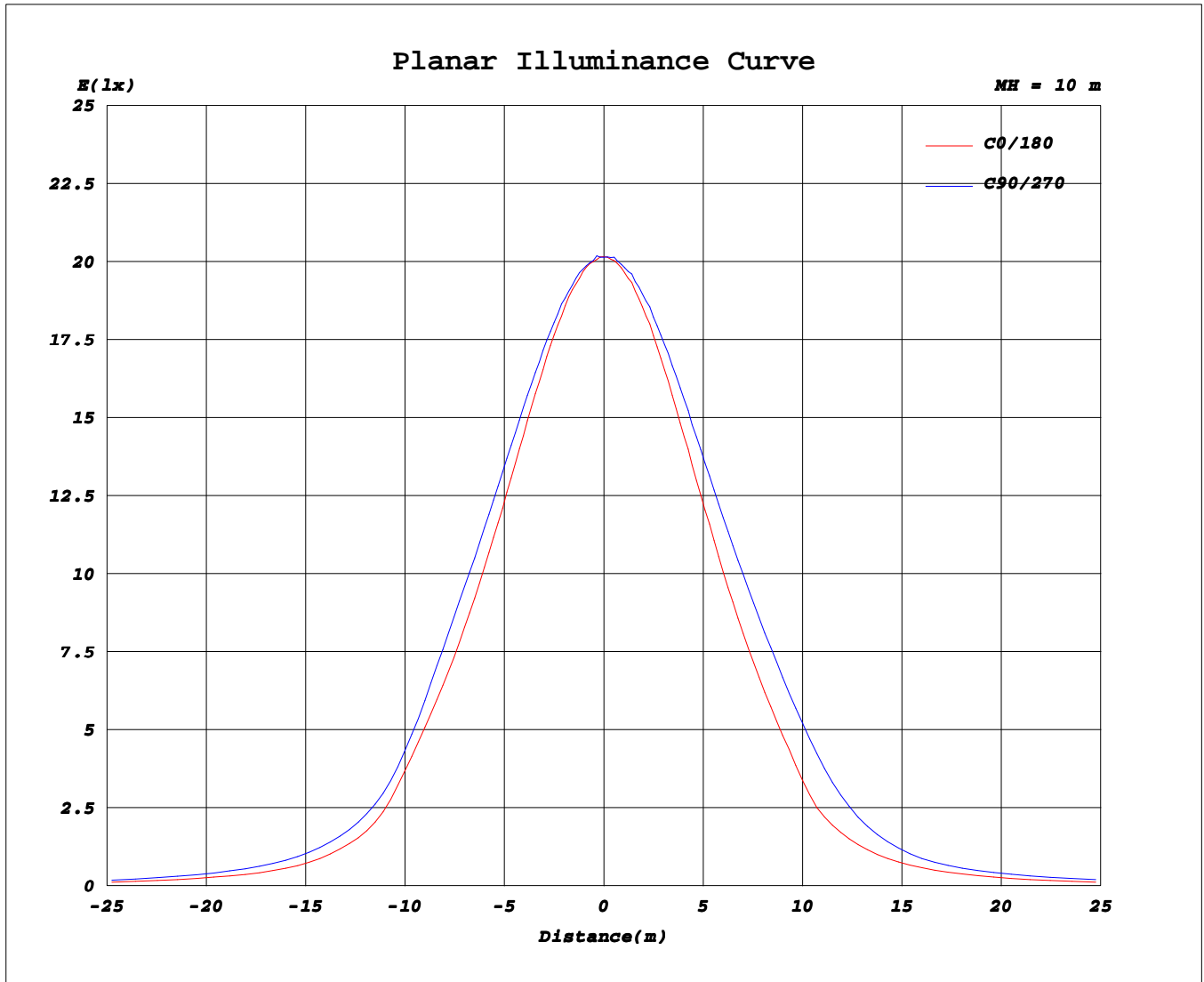
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3115 |
| L_0~180(75)av | 2855 |
| L_0~180(85)av | 2814 |
| L_90~270(65)av | 4766 |
| L_90~270(75)av | 4705 |
| L_90~270(85)av | 5089 |
| L_45(65)av | 4082 |
| L_45(75)av | 3840 |
| L_45(85)av | 4024 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Mr.Ma
Test Date:26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Mr.Ma
Test Date: 26 February 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|-------|--|--|--|--|------------------|--|--|--|--|
| Test:U:229.58V I:0.2075A P:46.772W PF:0.9819 Freq:50.00Hz Lamp Flux:4693.62x1 lm | | | | | | | | | | | | | | | | | | |
| NAME: Verso 1500 50W WW | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| SPEC.: | | | | | | | | | DIM.: | | | | | SERIAL No.: | | | | |
| MFR.: PURATI PTY LTD | | | | | | | | | SUR.: | | | | | Shielding Angle: | | | | |

Table--1

UNIT: cd

| C(°) \ γ (°) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | | | | | | |
| 5 | 2002 | 2012 | 2012 | 2009 | 2000 | 1997 | 2001 | 2005 | 2008 | 2014 | 2013 | 2012 | | | | | | |
| 10 | 1973 | 1989 | 2003 | 1994 | 1972 | 1960 | 1967 | 1980 | 1994 | 2008 | 2002 | 1988 | | | | | | |
| 15 | 1919 | 1954 | 1981 | 1970 | 1927 | 1902 | 1914 | 1936 | 1971 | 1991 | 1973 | 1943 | | | | | | |
| 20 | 1847 | 1904 | 1950 | 1937 | 1869 | 1822 | 1840 | 1878 | 1939 | 1967 | 1927 | 1878 | | | | | | |
| 25 | 1754 | 1834 | 1908 | 1896 | 1793 | 1724 | 1743 | 1803 | 1895 | 1932 | 1871 | 1794 | | | | | | |
| 30 | 1643 | 1747 | 1852 | 1833 | 1692 | 1594 | 1624 | 1702 | 1838 | 1884 | 1796 | 1689 | | | | | | |
| 35 | 1506 | 1626 | 1764 | 1745 | 1554 | 1436 | 1471 | 1570 | 1755 | 1817 | 1698 | 1560 | | | | | | |
| 40 | 1326 | 1466 | 1617 | 1568 | 1329 | 1212 | 1277 | 1379 | 1613 | 1700 | 1560 | 1399 | | | | | | |
| 45 | 1044 | 1183 | 1323 | 1228 | 961 | 863 | 955 | 1050 | 1349 | 1473 | 1338 | 1158 | | | | | | |
| 50 | 667 | 820 | 942 | 874 | 710 | 554 | 646 | 720 | 1024 | 1098 | 963 | 764 | | | | | | |
| 55 | 468 | 556 | 714 | 656 | 541 | 372 | 466 | 475 | 793 | 752 | 719 | 486 | | | | | | |
| 60 | 341 | 416 | 557 | 508 | 438 | 300 | 354 | 369 | 591 | 529 | 533 | 340 | | | | | | |
| 65 | 276 | 351 | 457 | 415 | 344 | 265 | 277 | 323 | 439 | 431 | 417 | 290 | | | | | | |
| 70 | 210 | 293 | 334 | 323 | 254 | 206 | 208 | 272 | 333 | 370 | 312 | 252 | | | | | | |
| 75 | 154 | 211 | 246 | 233 | 205 | 141 | 156 | 194 | 255 | 278 | 235 | 179 | | | | | | |
| 80 | 118 | 149 | 180 | 153 | 125 | 92.2 | 115 | 138 | 193 | 198 | 190 | 129 | | | | | | |
| 85 | 52.5 | 73.1 | 91.2 | 73.6 | 38.8 | 28.9 | 50.5 | 64.9 | 107 | 113 | 108 | 76.1 | | | | | | |
| 90 | 0.73 | 0.90 | 1.06 | 1.07 | 0.87 | 0.72 | 0.88 | 1.00 | 1.20 | 17.1 | 26.2 | 8.88 | | | | | | |
| 95 | 0.82 | 0.96 | 1.29 | 1.35 | 1.09 | 0.90 | 1.02 | 1.16 | 1.42 | 1.38 | 1.14 | 1.04 | | | | | | |
| 100 | 1.03 | 1.19 | 1.65 | 1.76 | 1.44 | 1.13 | 1.19 | 1.38 | 1.75 | 1.67 | 1.33 | 1.18 | | | | | | |
| 105 | 1.29 | 1.54 | 2.09 | 2.26 | 1.92 | 1.45 | 1.44 | 1.74 | 2.18 | 2.03 | 1.61 | 1.37 | | | | | | |
| 110 | 1.66 | 2.02 | 2.60 | 2.81 | 2.57 | 1.89 | 1.77 | 2.27 | 2.67 | 2.47 | 2.04 | 1.67 | | | | | | |
| 115 | 2.18 | 2.65 | 3.16 | 3.40 | 3.31 | 2.54 | 2.29 | 2.99 | 3.20 | 2.98 | 2.60 | 2.09 | | | | | | |
| 120 | 2.93 | 3.42 | 3.76 | 4.04 | 4.06 | 3.40 | 3.05 | 3.75 | 3.77 | 3.53 | 3.25 | 2.74 | | | | | | |
| 125 | 3.83 | 4.24 | 4.45 | 4.74 | 4.82 | 4.35 | 3.93 | 4.49 | 4.45 | 4.16 | 3.95 | 3.54 | | | | | | |
| 130 | 4.79 | 5.01 | 5.20 | 5.52 | 5.59 | 5.25 | 4.82 | 5.23 | 5.18 | 4.89 | 4.63 | 4.43 | | | | | | |
| 135 | 5.67 | 5.74 | 6.01 | 6.31 | 6.32 | 5.99 | 5.58 | 5.98 | 5.90 | 5.69 | 5.31 | 5.28 | | | | | | |
| 140 | 6.43 | 6.47 | 6.79 | 7.06 | 6.99 | 6.70 | 6.26 | 6.66 | 6.60 | 6.46 | 6.01 | 6.03 | | | | | | |
| 145 | 7.20 | 7.25 | 7.52 | 7.77 | 7.60 | 7.29 | 6.87 | 7.26 | 7.30 | 7.18 | 6.76 | 6.79 | | | | | | |
| 150 | 7.99 | 8.10 | 8.20 | 8.40 | 8.17 | 7.88 | 7.46 | 7.84 | 7.96 | 7.87 | 7.58 | 7.59 | | | | | | |
| 155 | 8.92 | 8.91 | 8.83 | 8.96 | 8.73 | 8.55 | 8.17 | 8.43 | 8.59 | 8.52 | 8.34 | 8.46 | | | | | | |
| 160 | 9.83 | 9.58 | 9.41 | 9.51 | 9.30 | 9.21 | 8.93 | 9.05 | 9.19 | 9.13 | 9.02 | 9.38 | | | | | | |
| 165 | 10.7 | 10.1 | 9.83 | 9.93 | 9.81 | 9.87 | 9.66 | 9.65 | 9.68 | 9.66 | 9.58 | 10.3 | | | | | | |
| 170 | 11.3 | 10.5 | 10.3 | 10.3 | 10.2 | 10.4 | 10.4 | 10.2 | 10.1 | 10.1 | 10.1 | 10.9 | | | | | | |
| 175 | 11.7 | 10.9 | 10.6 | 10.6 | 10.6 | 10.9 | 10.9 | 10.6 | 10.5 | 10.5 | 10.5 | 11.2 | | | | | | |
| 180 | 11.6 | 11.0 | 10.8 | 10.8 | 10.8 | 11.4 | 11.6 | 11.0 | 10.8 | 10.8 | 10.8 | 11.4 | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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Operators:Mr.Ma
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