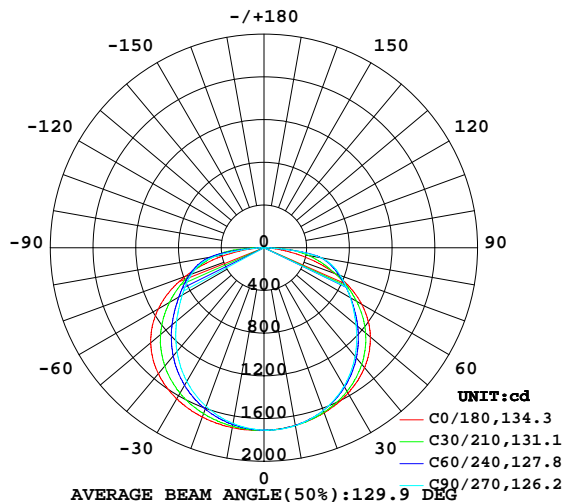


LUMINAIRE PHOTOMETRIC TEST REPORT

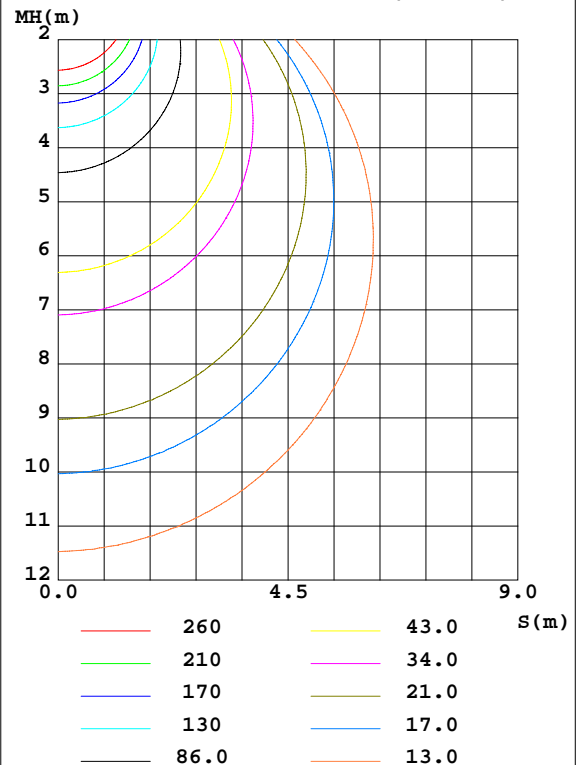
| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 148.74 lm/W | | | |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL | | Imax(cd) | 1713 | S/MH(C0/180) | 1.38 |
| NOMINAL POWER(W) | | LOR(%) | 126.2 | S/MH(C90/270) | 1.26 |
| RATED VOLTAGE(V) | 220.0 | TOTAL FLUX(lm) | 6026.2 | η UP,DN(C0-180) | 0.1,63.9 |
| NOMINAL FLUX(lm) | 2386.67 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,62.3 |
| LAMPS INSIDE | 2 | η up(%) | 0.1 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 220.0 | η down(%) | 126.1 | CIBSE SHR MAX | 1.55 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:朱法春
Test Date:2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:32%
Test Distance:1.100m [K=1.0954]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

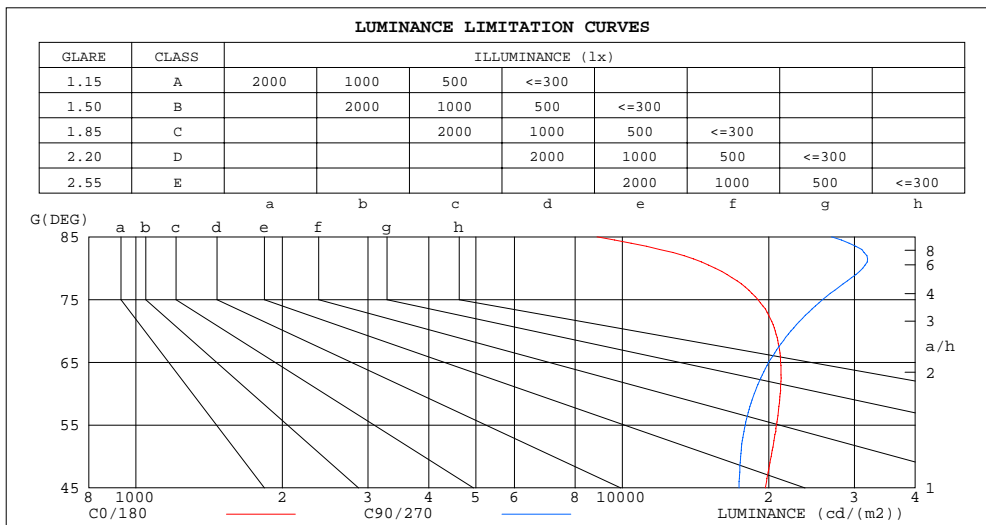
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|-------|--------|--------|----------|-------------|--------------|------------------|
| 10 | 1688 | 1689 | 1691 | 1704 | 1711 | 1690 | 1672 | 1676 | 0- 10 | 162.2 | 162.2 | 2.69,3.4 |
| 20 | 1645 | 1631 | 1621 | 1661 | 1686 | 1630 | 1582 | 1607 | 10- 20 | 471.0 | 633.3 | 10.5,13.3 |
| 30 | 1574 | 1531 | 1499 | 1578 | 1634 | 1529 | 1445 | 1500 | 20- 30 | 733.6 | 1367 | 22.7,28.6 |
| 40 | 1464 | 1385 | 1326 | 1447 | 1540 | 1384 | 1266 | 1351 | 30- 40 | 920.9 | 2288 | 38,47.9 |
| 50 | 1300 | 1193 | 1126 | 1265 | 1385 | 1194 | 1068 | 1159 | 40- 50 | 1009 | 3296 | 54.7,69.1 |
| 60 | 1056 | 968.6 | 933.7 | 1038 | 1141 | 970.5 | 883.1 | 934.1 | 50- 60 | 984.6 | 4281 | 71,89.7 |
| 70 | 705.4 | 730.7 | 759.9 | 784.6 | 783.8 | 741.2 | 721.0 | 698.4 | 60- 70 | 857.1 | 5138 | 85.3,108 |
| 80 | 269.5 | 485.3 | 541.9 | 519.5 | 327.9 | 496.3 | 461.5 | 449.0 | 70- 80 | 639.4 | 5777 | 95.9,121 |
| 90 | 1.263 | 1.174 | 1.149 | 16.13 | 9.180 | 13.75 | 0.8518 | 0.9466 | 80- 90 | 242.2 | 6020 | 99.9,126 |
| 100 | 0.9272 | 0.8423 | 0.7961 | 0.9444 | 1.111 | 1.042 | 0.9484 | 0.8053 | 90-100 | 1.303 | 6021 | 99.9,126 |
| 110 | 1.081 | 1.057 | 1.110 | 1.116 | 0.8825 | 1.035 | 1.011 | 0.7189 | 100-110 | 1.010 | 6022 | 99.9,126 |
| 120 | 0.9656 | 1.146 | 1.271 | 1.176 | 0.9261 | 1.063 | 1.018 | 0.6744 | 110-120 | 1.013 | 6023 | 99.9,126 |
| 130 | 0.8753 | 1.132 | 1.353 | 1.148 | 0.9350 | 1.042 | 0.9712 | 0.7116 | 120-130 | 0.9154 | 6024 | 100,126 |
| 140 | 0.9528 | 1.168 | 1.261 | 1.111 | 0.8769 | 1.113 | 0.9901 | 0.8051 | 130-140 | 0.7968 | 6025 | 100,126 |
| 150 | 0.9590 | 1.105 | 1.079 | 1.032 | 0.8680 | 1.156 | 1.034 | 0.8527 | 140-150 | 0.6473 | 6025 | 100,126 |
| 160 | 0.9652 | 0.9247 | 0.9009 | 0.9461 | 0.9738 | 1.138 | 0.9709 | 0.8077 | 150-160 | 0.4578 | 6026 | 100,126 |
| 170 | 0.9628 | 0.8402 | 0.7369 | 0.8964 | 1.022 | 1.111 | 1.015 | 0.8692 | 160-170 | 0.2647 | 6026 | 100,126 |
| 180 | 0.9887 | 1.030 | 0.9245 | 0.8946 | 0.9882 | 1.018 | 1.015 | 0.8971 | 170-180 | 0.0903 | 6026 | 100,126 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:朱法春
 Test Date:2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:32%
 Test Distance:1.100m [K=1.0954]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 8872 | 26922 |
| 80 | 15518 | 31205 |
| 75 | 19003 | 25806 |
| 70 | 20624 | 22218 |
| 65 | 21148 | 19981 |
| 60 | 21112 | 18675 |
| 55 | 20738 | 17901 |
| 50 | 20231 | 17511 |
| 45 | 19674 | 17372 |

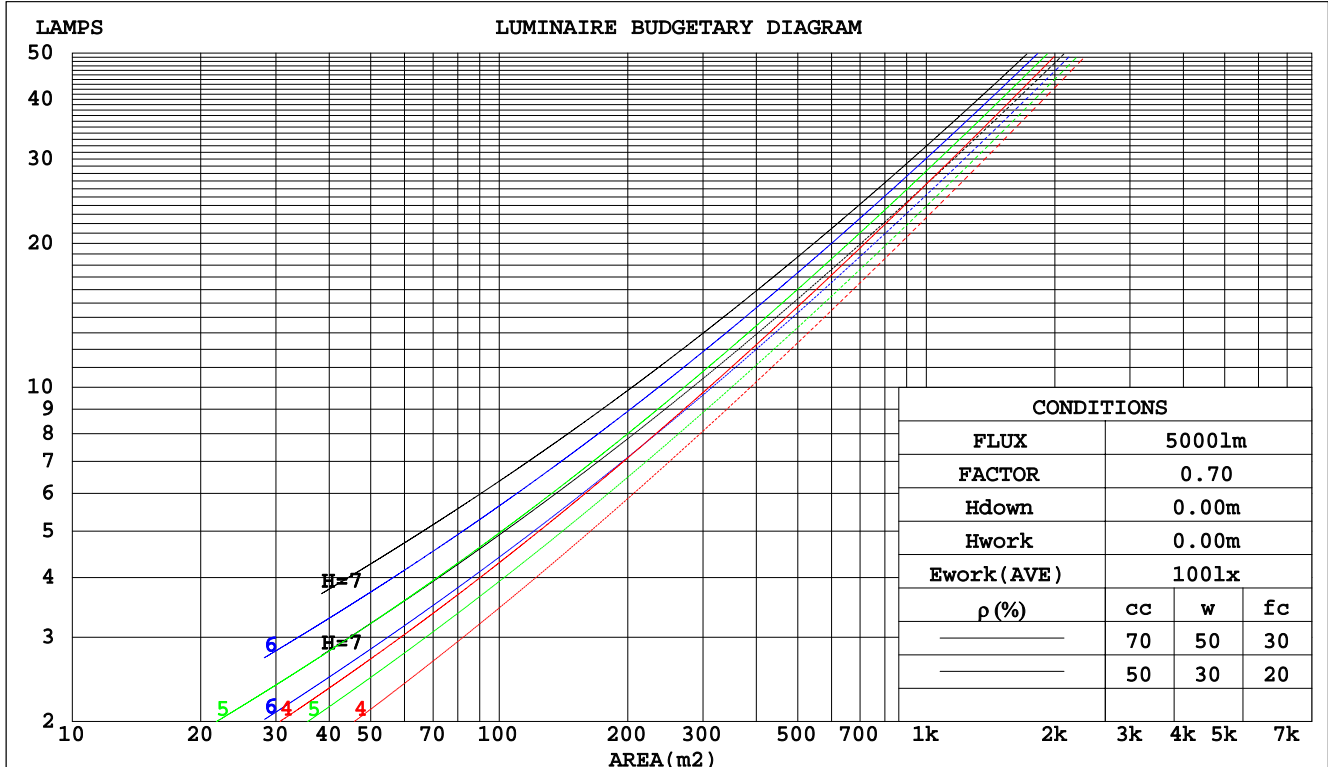
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: 朱法春
Test Date: 2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 32%
Test Distance: 1.100m [K=1.0954]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | 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 | 1.50 | 1.50 | 1.50 | 1.47 | 1.47 | 1.47 | 1.40 | 1.40 | 1.40 | 1.34 | 1.34 | 1.34 | 1.29 | 1.29 | 1.29 | 1.26 |
| 1.0 | 1.28 | 1.22 | 1.16 | 1.25 | 1.19 | 1.14 | 1.20 | 1.15 | 1.10 | 1.14 | 1.11 | 1.07 | 1.10 | 1.07 | 1.04 | 1.01 |
| 2.0 | 1.10 | 1.00 | .92 | 1.07 | .98 | .91 | 1.03 | .95 | .89 | .98 | .92 | .87 | .94 | .89 | .85 | .82 |
| 3.0 | .95 | .84 | .75 | .93 | .83 | .74 | .89 | .80 | .73 | .86 | .78 | .71 | .82 | .76 | .70 | .67 |
| 4.0 | .84 | .72 | .62 | .82 | .71 | .62 | .79 | .69 | .61 | .76 | .67 | .60 | .73 | .65 | .59 | .56 |
| 5.0 | .74 | .62 | .53 | .73 | .61 | .53 | .70 | .60 | .52 | .67 | .59 | .52 | .65 | .57 | .51 | .48 |
| 6.0 | .67 | .55 | .46 | .65 | .54 | .46 | .63 | .53 | .45 | .61 | .52 | .45 | .59 | .51 | .44 | .42 |
| 7.0 | .60 | .48 | .40 | .59 | .48 | .40 | .57 | .47 | .40 | .55 | .46 | .39 | .53 | .45 | .39 | .36 |
| 8.0 | .55 | .43 | .36 | .54 | .43 | .36 | .52 | .42 | .35 | .50 | .42 | .35 | .49 | .41 | .35 | .32 |
| 9.0 | .50 | .39 | .32 | .49 | .39 | .32 | .48 | .38 | .32 | .46 | .38 | .31 | .45 | .37 | .31 | .29 |
| 10.0 | .46 | .36 | .29 | .45 | .35 | .29 | .44 | .35 | .29 | .43 | .34 | .28 | .42 | .34 | .28 | .26 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: 朱法春
Test Date: 2023-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 32%
Test Distance: 1.100m [K=1.0954]
Remarks:

WEC AND CCEC

| | | | | | |
|--|--|--|----------------|--|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | | | | |
| NAME: IT-TRS-24-40 | | | TYPE:4000K | | WEIGHT: |
| SPEC.:2x4FT | | | DIM.: | | SERIAL No.: |
| MFR.: | | | SUR.:0.53*1.1M | | 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 | .451 | .256 | .081 | .442 | .252 | .080 | .425 | .244 | .078 | .409 | .236 | .076 | .394 | .229 | .074 | | |
| 2.0 | .410 | .225 | .069 | .402 | .222 | .068 | .387 | .215 | .067 | .373 | .209 | .065 | .360 | .204 | .064 | | |
| 3.0 | .372 | .198 | .059 | .365 | .195 | .059 | .351 | .190 | .058 | .339 | .186 | .057 | .327 | .181 | .056 | | |
| 4.0 | .339 | .176 | .052 | .332 | .174 | .051 | .320 | .170 | .051 | .309 | .166 | .050 | .299 | .162 | .049 | | |
| 5.0 | .310 | .158 | .046 | .304 | .156 | .045 | .293 | .153 | .045 | .283 | .150 | .044 | .274 | .147 | .044 | | |
| 6.0 | .285 | .143 | .041 | .280 | .141 | .041 | .270 | .139 | .040 | .261 | .136 | .040 | .253 | .133 | .040 | | |
| 7.0 | .263 | .130 | .037 | .259 | .129 | .037 | .250 | .127 | .036 | .243 | .124 | .036 | .235 | .122 | .036 | | |
| 8.0 | .245 | .120 | .034 | .241 | .119 | .033 | .233 | .116 | .033 | .226 | .115 | .033 | .219 | .113 | .033 | | |
| 9.0 | .228 | .110 | .031 | .225 | .110 | .031 | .218 | .108 | .031 | .212 | .106 | .030 | .206 | .104 | .030 | | |
| 10.0 | .214 | .103 | .028 | .211 | .102 | .028 | .205 | .100 | .028 | .199 | .099 | .028 | .193 | .097 | .028 | | |

| 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 | .242 | .242 | .242 | .206 | .206 | .206 | .141 | .141 | .141 | .081 | .081 | .081 | .026 | .026 | .026 | |
| 1.0 | .233 | .198 | .166 | .199 | .170 | .143 | .136 | .117 | .099 | .078 | .068 | .057 | .025 | .022 | .019 | |
| 2.0 | .224 | .167 | .120 | .192 | .144 | .103 | .132 | .100 | .072 | .076 | .058 | .042 | .024 | .019 | .014 | |
| 3.0 | .215 | .146 | .090 | .184 | .126 | .078 | .126 | .087 | .055 | .073 | .051 | .032 | .023 | .017 | .011 | |
| 4.0 | .205 | .129 | .071 | .176 | .112 | .062 | .121 | .078 | .044 | .070 | .046 | .026 | .023 | .015 | .008 | |
| 5.0 | .195 | .116 | .058 | .168 | .101 | .050 | .116 | .070 | .036 | .067 | .041 | .021 | .022 | .013 | .007 | |
| 6.0 | .186 | .106 | .048 | .160 | .092 | .042 | .110 | .064 | .030 | .064 | .038 | .018 | .021 | .012 | .006 | |
| 7.0 | .177 | .097 | .041 | .152 | .084 | .036 | .105 | .059 | .026 | .061 | .035 | .015 | .020 | .011 | .005 | |
| 8.0 | .168 | .090 | .036 | .145 | .078 | .031 | .100 | .055 | .022 | .058 | .032 | .013 | .019 | .011 | .004 | |
| 9.0 | .160 | .084 | .032 | .138 | .072 | .028 | .096 | .051 | .020 | .056 | .030 | .012 | .018 | .010 | .004 | |
| 10.0 | .152 | .078 | .029 | .131 | .068 | .025 | .091 | .048 | .018 | .053 | .028 | .011 | .017 | .009 | .004 | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:朱法春
 Test Date:2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:32%
 Test Distance:1.100m [K=1.0954]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | | |
|--|---------------|------------------|------|------|----------------|----------------|------|------------------|------|------|------|------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | | | | | | | | | | | |
| NAME: IT-TRS-24-40 | | | | | TYPE:4000K | | | WEIGHT: | | | | |
| SPEC.:2x4FT | | | | | DIM.: | | | SERIAL No.: | | | | |
| MFR.: | | | | | SUR.:0.53*1.1M | | | 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 | | 23.5 | 25.1 | 23.8 | 25.3 | 25.5 | 22.9 | 24.5 | 23.2 | 24.7 | 25.0 | |
| | | 3H | 25.4 | 26.9 | 25.7 | 27.1 | 27.4 | 25.2 | 26.7 | 25.5 | 26.9 | 27.2 |
| | | 4H | 26.2 | 27.6 | 26.5 | 27.9 | 28.1 | 26.4 | 27.9 | 26.7 | 28.1 | 28.4 |
| | | 6H | 26.7 | 28.0 | 27.0 | 28.3 | 28.6 | 27.7 | 29.0 | 28.0 | 29.3 | 29.6 |
| | | 8H | 26.8 | 28.1 | 27.2 | 28.4 | 28.7 | 28.2 | 29.5 | 28.5 | 29.8 | 30.1 |
| | | 12H | 26.8 | 28.1 | 27.2 | 28.4 | 28.7 | 28.5 | 29.8 | 28.8 | 30.1 | 30.4 |
| 4H | 2H | 24.2 | 25.6 | 24.5 | 25.9 | 26.1 | 23.8 | 25.2 | 24.1 | 25.4 | 25.7 | |
| | 3H | 26.3 | 27.6 | 26.6 | 27.9 | 28.2 | 26.2 | 27.5 | 26.6 | 27.8 | 28.1 | |
| | 4H | 27.2 | 28.4 | 27.6 | 28.7 | 29.1 | 27.6 | 28.8 | 28.0 | 29.1 | 29.5 | |
| | 6H | 27.9 | 29.0 | 28.3 | 29.3 | 29.7 | 29.1 | 30.1 | 29.5 | 30.5 | 30.8 | |
| | 8H | 28.2 | 29.1 | 28.6 | 29.5 | 29.9 | 29.7 | 30.6 | 30.1 | 31.0 | 31.4 | |
| | 12H | 28.3 | 29.2 | 28.7 | 29.6 | 30.0 | 30.0 | 30.9 | 30.5 | 31.3 | 31.7 | |
| 8H | 4H | 27.8 | 28.7 | 28.2 | 29.1 | 29.5 | 28.1 | 29.1 | 28.5 | 29.5 | 29.8 | |
| | 6H | 28.7 | 29.6 | 29.2 | 30.0 | 30.4 | 29.8 | 30.6 | 30.3 | 31.0 | 31.5 | |
| | 8H | 29.1 | 29.9 | 29.6 | 30.3 | 30.7 | 30.6 | 31.3 | 31.0 | 31.7 | 32.2 | |
| | 12H | 29.4 | 30.0 | 29.9 | 30.5 | 30.9 | 31.0 | 31.7 | 31.5 | 32.1 | 32.6 | |
| 12H | 4H | 27.9 | 28.8 | 28.3 | 29.2 | 29.6 | 28.2 | 29.1 | 28.6 | 29.5 | 29.9 | |
| | 6H | 29.0 | 29.7 | 29.5 | 30.2 | 30.6 | 29.9 | 30.7 | 30.4 | 31.1 | 31.6 | |
| | 8H | 29.5 | 30.1 | 29.9 | 30.6 | 31.0 | 30.8 | 31.4 | 31.3 | 31.9 | 32.3 | |
| Variations with the observer position at spacings: | | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.2 | | | | | | |
| 2.0H | + 0.1 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | | | |

CIE Pub.117, 4773 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.4$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:朱法春
Test Date:2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:32%
Test Distance:1.100m [K=1.0954]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |

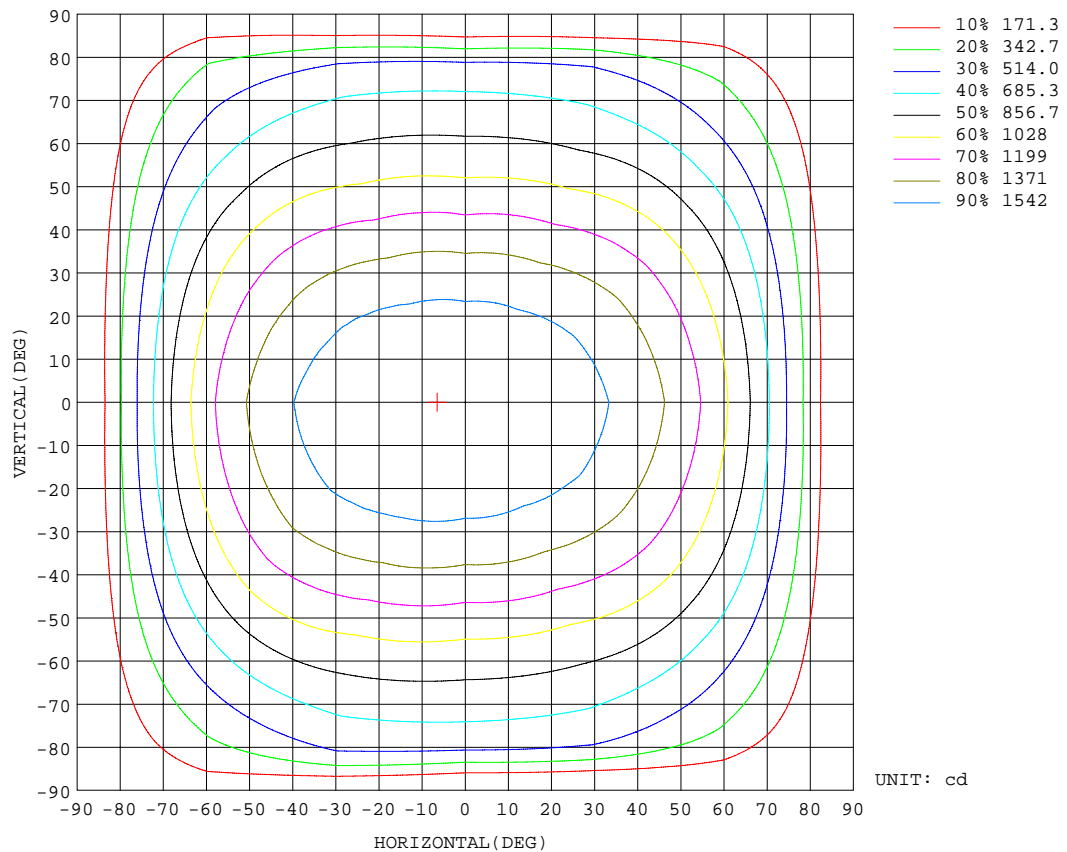
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 68 | 53 | 43 | 67 | 52 | 43 | 66 | 52 | 43 | 35 |
| 0.80 | 80 | 65 | 55 | 79 | 64 | 55 | 77 | 63 | 54 | 45 |
| 1.00 | 91 | 76 | 66 | 89 | 75 | 65 | 86 | 77 | 65 | 55 |
| 1.25 | 100 | 85 | 75 | 98 | 84 | 75 | 94 | 83 | 74 | 64 |
| 1.50 | 106 | 93 | 83 | 104 | 91 | 82 | 100 | 89 | 81 | 70 |
| 2.00 | 116 | 103 | 94 | 113 | 102 | 93 | 108 | 99 | 91 | 81 |
| 2.50 | 121 | 110 | 101 | 118 | 108 | 100 | 113 | 105 | 98 | 87 |
| 3.00 | 126 | 116 | 108 | 123 | 114 | 106 | 117 | 110 | 104 | 92 |
| 4.00 | 131 | 123 | 116 | 128 | 121 | 115 | 123 | 116 | 111 | 99 |
| 5.00 | 135 | 128 | 122 | 132 | 125 | 120 | 126 | 121 | 116 | 104 |
| 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:25.0DEG
 Operators:朱法春
 Test Date:2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:32%
 Test Distance:1.100m [K=1.0954]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |

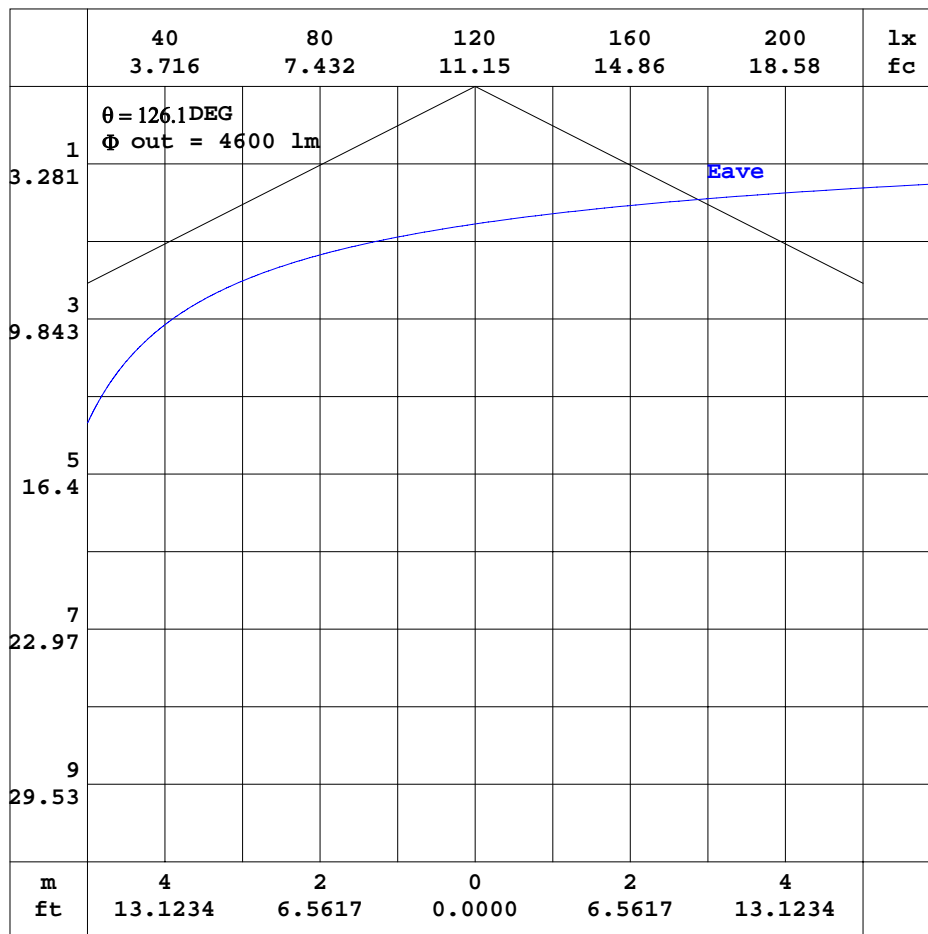


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: 朱法春
Test Date: 2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 32%
Test Distance: 1.100m [K=1.0954]
Remarks:

AAI CURVES

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |



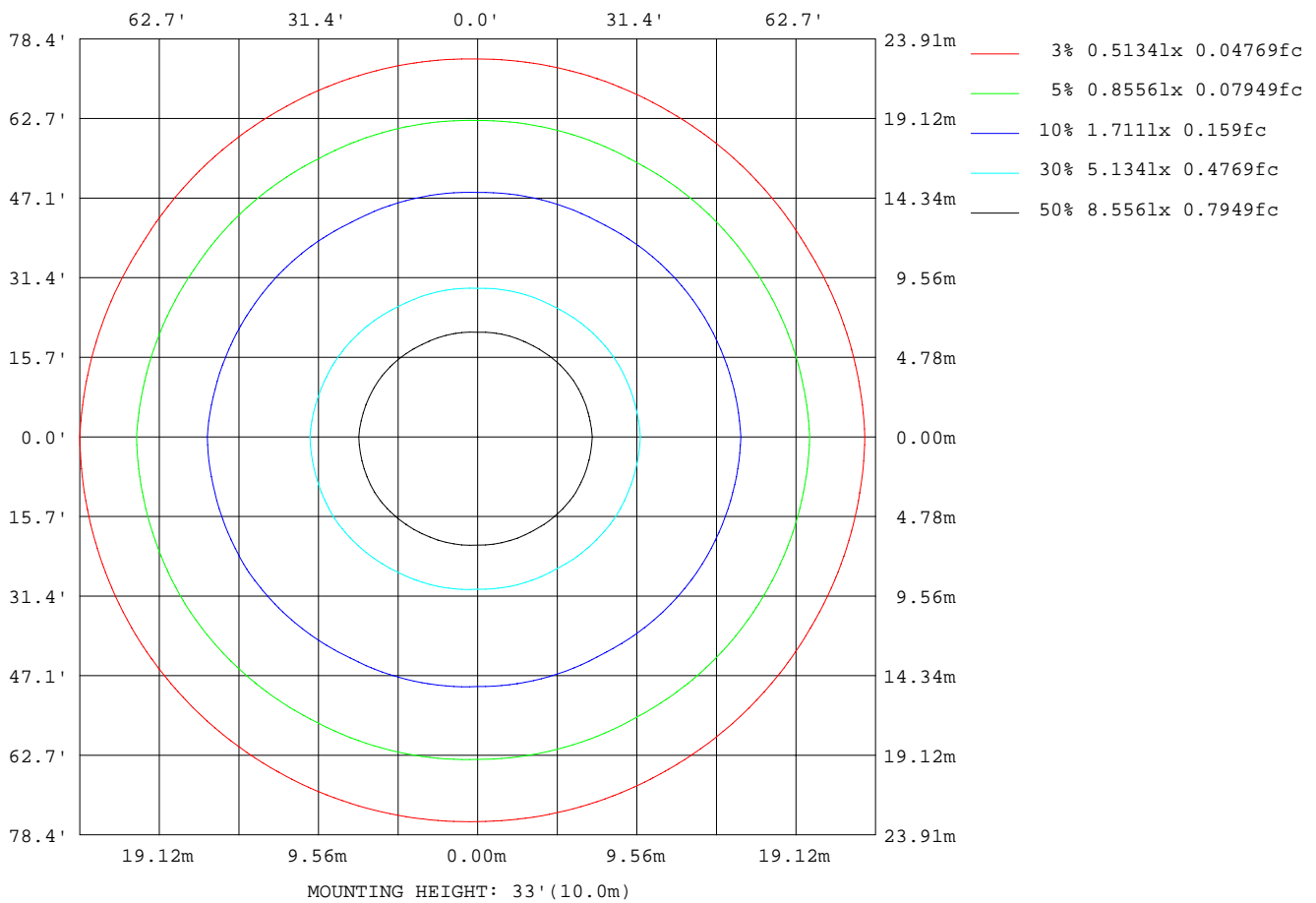
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: 朱法春
 Test Date: 2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 32%
 Test Distance: 1.100m [K=1.0954]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: 朱法春
Test Date: 2023-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 32%
Test Distance: 1.100m [K=1.0954]
Remarks:

LED Avg.L Report

| | | |
|--|----------------|------------------|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | |
| NAME: IT-TRS-24-40 | TYPE:4000K | WEIGHT: |
| SPEC.:2x4FT | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.53*1.1M | Shielding Angle: |

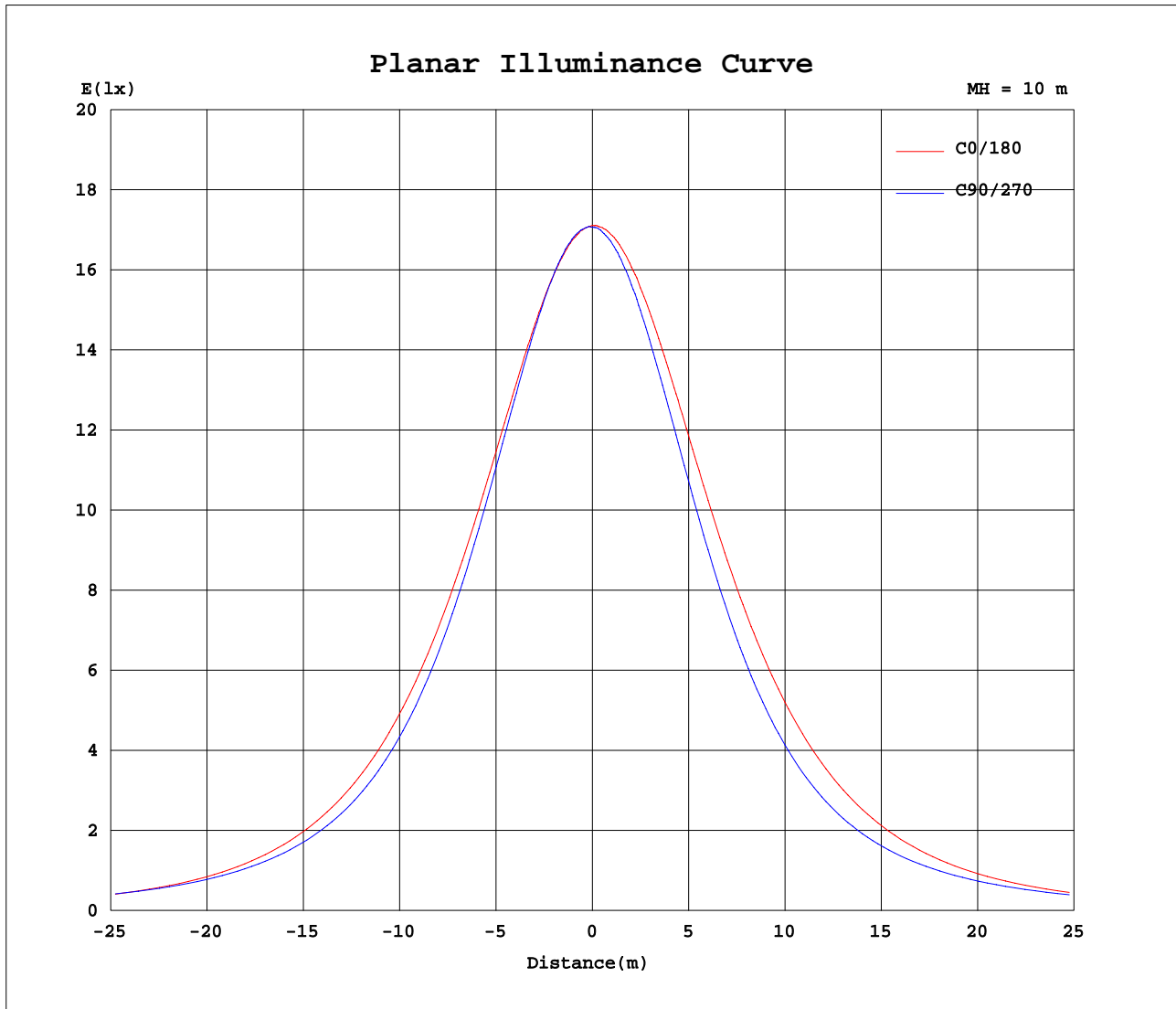
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 22147 |
| L_0~180(75)av | 20353 |
| L_0~180(85)av | 10988 |
| L_90~270(65)av | 19481 |
| L_90~270(75)av | 25040 |
| L_90~270(85)av | 22226 |
| L_45(65)av | 20272 |
| L_45(75)av | 24047 |
| L_45(85)av | 32059 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:朱法春
Test Date:2023-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:32%
Test Distance:1.100m [K=1.0954]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: 朱法春
Test Date: 2023-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 32%
Test Distance: 1.100m [K=1.0954]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|----------------|--|--|--|------------------|--|--|--|--|
| Test:U:221.00V I:0.1852A P:40.514W PF:0.9900 Freq:49.99Hz Lamp Flux:2386.67x2 lm | | | | | | | | | | | | | | | | | |
| NAME: IT-TRS-24-40 | | | | | | | | | TYPE:4000K | | | | WEIGHT: | | | | |
| SPEC.:2x4FT | | | | | | | | | DIM.: | | | | SERIAL No.: | | | | |
| MFR.: | | | | | | | | | SUR.:0.53*1.1M | | | | Shielding Angle: | | | | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 1711 | 1709 | 1706 | 1707 | 1708 | 1709 | 1711 | 1709 | 1706 | 1707 | 1708 | 1709 | | | | | | |
| 5 | 1702 | 1702 | 1705 | 1706 | 1710 | 1711 | 1712 | 1708 | 1699 | 1696 | 1695 | 1698 | | | | | | |
| 10 | 1688 | 1689 | 1689 | 1691 | 1700 | 1709 | 1711 | 1698 | 1682 | 1672 | 1671 | 1681 | | | | | | |
| 15 | 1669 | 1667 | 1661 | 1663 | 1680 | 1696 | 1702 | 1680 | 1651 | 1633 | 1637 | 1656 | | | | | | |
| 20 | 1645 | 1640 | 1622 | 1621 | 1645 | 1677 | 1686 | 1654 | 1607 | 1582 | 1591 | 1622 | | | | | | |
| 25 | 1614 | 1602 | 1571 | 1566 | 1600 | 1650 | 1666 | 1619 | 1553 | 1518 | 1535 | 1582 | | | | | | |
| 30 | 1574 | 1552 | 1509 | 1499 | 1544 | 1611 | 1634 | 1572 | 1486 | 1445 | 1468 | 1532 | | | | | | |
| 35 | 1525 | 1495 | 1432 | 1419 | 1476 | 1562 | 1591 | 1515 | 1411 | 1362 | 1391 | 1473 | | | | | | |
| 40 | 1464 | 1424 | 1347 | 1326 | 1394 | 1500 | 1540 | 1446 | 1323 | 1266 | 1303 | 1399 | | | | | | |
| 45 | 1391 | 1341 | 1249 | 1228 | 1300 | 1423 | 1471 | 1362 | 1226 | 1169 | 1206 | 1315 | | | | | | |
| 50 | 1300 | 1241 | 1145 | 1126 | 1198 | 1332 | 1385 | 1264 | 1125 | 1068 | 1102 | 1216 | | | | | | |
| 55 | 1189 | 1128 | 1039 | 1027 | 1089 | 1221 | 1277 | 1151 | 1020 | 971 | 998 | 1103 | | | | | | |
| 60 | 1056 | 1000 | 937 | 934 | 984 | 1092 | 1141 | 1021 | 920 | 883 | 895 | 973 | | | | | | |
| 65 | 894 | 860 | 841 | 844 | 883 | 944 | 978 | 883 | 830 | 802 | 802 | 832 | | | | | | |
| 70 | 705 | 713 | 748 | 760 | 786 | 784 | 784 | 740 | 742 | 721 | 714 | 683 | | | | | | |
| 75 | 492 | 570 | 656 | 668 | 685 | 617 | 562 | 607 | 650 | 628 | 622 | 542 | | | | | | |
| 80 | 269 | 428 | 543 | 542 | 579 | 460 | 328 | 479 | 514 | 462 | 494 | 404 | | | | | | |
| 85 | 77.3 | 269 | 249 | 235 | 345 | 301 | 114 | 309 | 217 | 153 | 188 | 239 | | | | | | |
| 90 | 1.26 | 1.27 | 1.07 | 1.15 | 9.73 | 22.5 | 9.18 | 26.5 | 0.97 | 0.85 | 0.80 | 1.09 | | | | | | |
| 95 | 0.92 | 0.79 | 0.72 | 0.73 | 0.82 | 1.02 | 1.32 | 1.07 | 0.96 | 0.90 | 0.81 | 0.89 | | | | | | |
| 100 | 0.93 | 0.87 | 0.81 | 0.80 | 0.83 | 1.05 | 1.11 | 1.08 | 1.00 | 0.95 | 0.81 | 0.80 | | | | | | |
| 105 | 1.02 | 0.96 | 0.96 | 0.93 | 0.93 | 1.10 | 0.98 | 1.06 | 1.01 | 0.98 | 0.81 | 0.73 | | | | | | |
| 110 | 1.08 | 1.01 | 1.11 | 1.11 | 1.07 | 1.16 | 0.88 | 1.02 | 1.05 | 1.01 | 0.78 | 0.66 | | | | | | |
| 115 | 1.04 | 1.04 | 1.21 | 1.23 | 1.16 | 1.19 | 0.94 | 1.03 | 1.08 | 1.03 | 0.71 | 0.65 | | | | | | |
| 120 | 0.97 | 0.99 | 1.31 | 1.27 | 1.21 | 1.14 | 0.93 | 1.04 | 1.09 | 1.02 | 0.74 | 0.61 | | | | | | |
| 125 | 0.85 | 0.96 | 1.35 | 1.35 | 1.23 | 1.10 | 0.94 | 1.02 | 1.07 | 1.00 | 0.76 | 0.61 | | | | | | |
| 130 | 0.88 | 0.98 | 1.29 | 1.35 | 1.22 | 1.08 | 0.93 | 1.03 | 1.06 | 0.97 | 0.78 | 0.64 | | | | | | |
| 135 | 0.91 | 1.02 | 1.26 | 1.34 | 1.20 | 1.09 | 0.91 | 1.08 | 1.07 | 0.97 | 0.82 | 0.70 | | | | | | |
| 140 | 0.95 | 1.04 | 1.29 | 1.26 | 1.18 | 1.04 | 0.88 | 1.11 | 1.11 | 0.99 | 0.88 | 0.73 | | | | | | |
| 145 | 0.95 | 1.03 | 1.26 | 1.17 | 1.11 | 0.99 | 0.83 | 1.13 | 1.14 | 1.04 | 0.91 | 0.78 | | | | | | |
| 150 | 0.96 | 1.01 | 1.20 | 1.08 | 1.06 | 1.01 | 0.87 | 1.13 | 1.18 | 1.03 | 0.88 | 0.83 | | | | | | |
| 155 | 0.95 | 0.96 | 1.05 | 1.00 | 1.00 | 0.98 | 0.93 | 1.11 | 1.20 | 1.01 | 0.80 | 0.85 | | | | | | |
| 160 | 0.97 | 0.95 | 0.90 | 0.90 | 0.94 | 0.95 | 0.97 | 1.06 | 1.21 | 0.97 | 0.76 | 0.85 | | | | | | |
| 165 | 0.94 | 0.91 | 0.75 | 0.81 | 0.83 | 0.97 | 1.00 | 1.04 | 1.21 | 1.01 | 0.80 | 0.86 | | | | | | |
| 170 | 0.96 | 0.92 | 0.76 | 0.74 | 0.81 | 0.98 | 1.02 | 1.04 | 1.18 | 1.01 | 0.88 | 0.86 | | | | | | |
| 175 | 0.96 | 0.97 | 0.92 | 0.85 | 0.86 | 0.93 | 1.02 | 1.03 | 1.13 | 1.01 | 0.92 | 0.89 | | | | | | |
| 180 | 0.99 | 1.04 | 1.02 | 0.92 | 0.87 | 0.92 | 0.99 | 0.99 | 1.05 | 1.01 | 0.92 | 0.87 | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
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Temperature:25.0DEG
Operators:朱法春
Test Date:2023-02-11

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