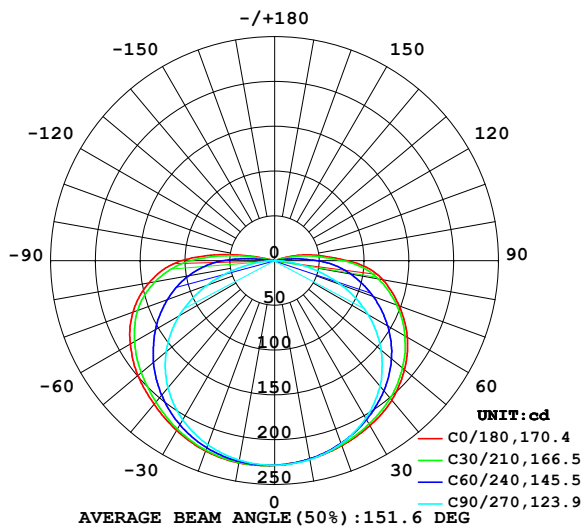


LUMINAIRE PHOTOMETRIC TEST REPORT

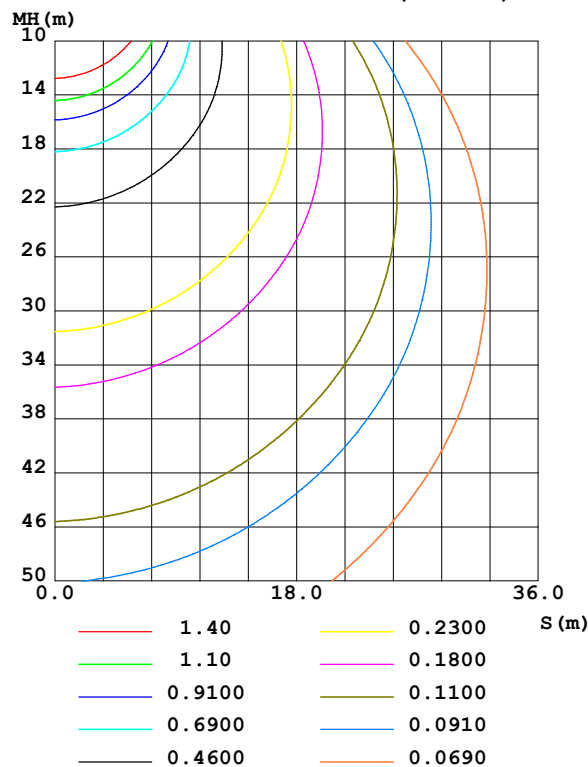
| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 97.00 lm/W |
|------------------|--------------------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL | HV9762-IP20-320-4K | I _{max} (cd) | 229.4 | S/MH(C0/180) | 1.44 | |
| NOMINAL POWER(W) | 9 | LOR(%) | 100.0 | S/MH(C90/270) | 1.34 | |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 1017.4 | η UP,DN(C0-180) | 2.4,47.1 | |
| NOMINAL FLUX(lm) | 1017.45 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 2.4,48.1 | |
| LAMPS INSIDE | 1 | η up (%) | 4.9 | CIBSE SHR NOM | 1.50 | |
| TEST VOLTAGE(V) | 24 | η down (%) | 95.1 | 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: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [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 | 225.0 | 224.8 | 225.5 | 227.8 | 229.3 | 228.3 | 226.2 | 225.3 | 0- 10 | 21.72 | 21.72 | 2.13,2.13 |
| 20 | 219.7 | 217.8 | 217.4 | 222.7 | 226.1 | 223.7 | 218.7 | 218.7 | 10- 20 | 63.39 | 85.10 | 8.36,8.36 |
| 30 | 212.8 | 207.9 | 203.4 | 213.2 | 218.9 | 214.4 | 205.2 | 209.1 | 20- 30 | 99.86 | 185.0 | 18.2,18.2 |
| 40 | 203.5 | 195.2 | 183.1 | 199.9 | 209.4 | 201.2 | 185.3 | 196.7 | 30- 40 | 128.2 | 313.1 | 30.8,30.8 |
| 50 | 189.3 | 178.3 | 155.1 | 184.2 | 199.4 | 185.8 | 158.1 | 179.7 | 40- 50 | 146.1 | 459.2 | 45.1,45.1 |
| 60 | 171.1 | 156.8 | 120.6 | 166.3 | 186.0 | 167.1 | 123.1 | 158.4 | 50- 60 | 151.7 | 610.9 | 60,60 |
| 70 | 148.0 | 131.0 | 78.39 | 144.6 | 168.3 | 145.1 | 80.06 | 132.5 | 60- 70 | 144.1 | 755.1 | 74.2,74.2 |
| 80 | 122.4 | 101.8 | 32.46 | 116.9 | 142.4 | 116.4 | 33.05 | 103.5 | 70- 80 | 123.2 | 878.3 | 86.3,86.3 |
| 90 | 81.26 | 61.59 | 1.014 | 77.80 | 104.2 | 75.79 | 0.4068 | 63.84 | 80- 90 | 89.80 | 968.1 | 95.1,95.1 |
| 100 | 37.91 | 17.39 | 0.1833 | 12.35 | 34.79 | 11.64 | 0.1679 | 17.60 | 90-100 | 41.97 | 1010 | 99.3,99.3 |
| 110 | 3.549 | 0.3990 | 0.2356 | 0.2397 | 0.3395 | 0.2578 | 0.2128 | 0.3785 | 100-110 | 5.906 | 1016 | 99.9,99.9 |
| 120 | 0.3359 | 0.3194 | 0.2803 | 0.2849 | 0.3115 | 0.2851 | 0.2616 | 0.3270 | 110-120 | 0.3165 | 1016 | 99.9,99.9 |
| 130 | 0.3464 | 0.3534 | 0.3286 | 0.3272 | 0.3552 | 0.3317 | 0.3082 | 0.3651 | 120-130 | 0.2880 | 1017 | 99.9,99.9 |
| 140 | 0.3668 | 0.3821 | 0.3745 | 0.3652 | 0.3901 | 0.3721 | 0.3519 | 0.4032 | 130-140 | 0.2789 | 1017 | 99.9,99.9 |
| 150 | 0.3944 | 0.4096 | 0.4042 | 0.4062 | 0.4191 | 0.4079 | 0.3909 | 0.4197 | 140-150 | 0.2466 | 1017 | 100,100 |
| 160 | 0.4510 | 0.4378 | 0.4403 | 0.4260 | 0.4395 | 0.4320 | 0.4251 | 0.4427 | 150-160 | 0.1934 | 1017 | 100,100 |
| 170 | 0.4483 | 0.4472 | 0.4507 | 0.4419 | 0.4481 | 0.4416 | 0.4391 | 0.4471 | 160-170 | 0.1256 | 1017 | 100,100 |
| 180 | 0.4483 | 0.4480 | 0.4507 | 0.4456 | 0.4483 | 0.4437 | 0.4478 | 0.4500 | 170-180 | 0.0425 | 1017 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

0 - 60 DEG Zonal Flux:610.94 %lum: 60.0%

0 - 60 DEG Zonal Flux:610.94 %lum: 60.0%

All measured values may vary less than 35 %

from the average measured value in the 0 to 130 deg. zone: 21.2%

All measured values in the 0 to 130 deg. zone

may vary less than 50% from the average value of itself: 31.4%

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:zhuo

Test Date:2022-06-28

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454

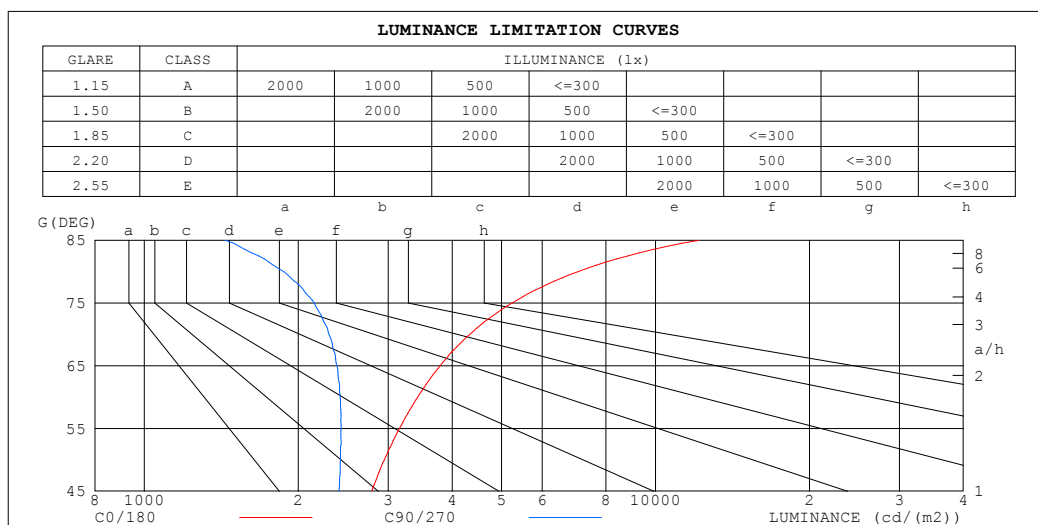
Humidity:65.0%

Test Distance:6.070m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 12161 | 1441 |
| 80 | 7058 | 1873 |
| 75 | 5243 | 2149 |
| 70 | 4330 | 2297 |
| 65 | 3789 | 2380 |
| 60 | 3426 | 2416 |
| 55 | 3157 | 2426 |
| 50 | 2947 | 2418 |
| 45 | 2786 | 2403 |

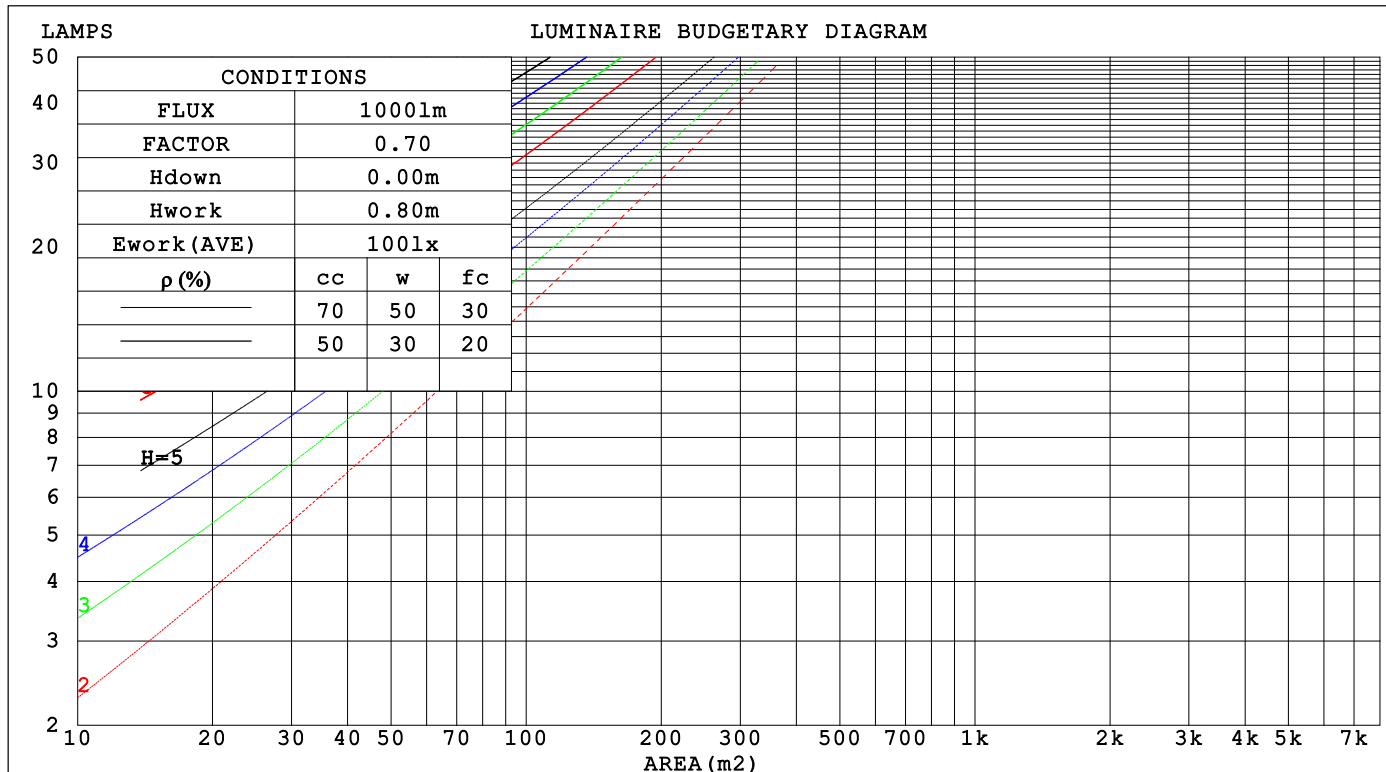
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: zhuo
 Test Date: 2022-06-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
 Humidity: 65.0%
 Test Distance: 6.070m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | 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 | .417 | .237 | .075 | .408 | .233 | .074 | .391 | .224 | .072 | .376 | .217 | .070 | .362 | .210 | .068 | | |
| 2.0 | .358 | .196 | .060 | .350 | .193 | .059 | .335 | .186 | .058 | .322 | .180 | .056 | .309 | .175 | .055 | | |
| 3.0 | .316 | .168 | .050 | .309 | .166 | .050 | .296 | .160 | .049 | .284 | .155 | .048 | .272 | .151 | .047 | | |
| 4.0 | .283 | .147 | .043 | .277 | .145 | .043 | .265 | .140 | .042 | .254 | .136 | .041 | .244 | .132 | .040 | | |
| 5.0 | .256 | .130 | .038 | .250 | .129 | .037 | .240 | .125 | .037 | .230 | .121 | .036 | .221 | .118 | .035 | | |
| 6.0 | .234 | .117 | .034 | .229 | .115 | .033 | .219 | .112 | .033 | .210 | .109 | .032 | .202 | .106 | .032 | | |
| 7.0 | .215 | .106 | .030 | .210 | .105 | .030 | .202 | .102 | .029 | .194 | .099 | .029 | .186 | .097 | .028 | | |
| 8.0 | .199 | .097 | .027 | .195 | .096 | .027 | .187 | .093 | .027 | .180 | .091 | .026 | .173 | .089 | .026 | | |
| 9.0 | .185 | .089 | .025 | .181 | .088 | .025 | .174 | .086 | .024 | .167 | .084 | .024 | .161 | .082 | .024 | | |
| 10.0 | .173 | .083 | .023 | .169 | .082 | .023 | .163 | .080 | .022 | .157 | .078 | .022 | .151 | .076 | .022 | | |

| 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 | .227 | .227 | .227 | .194 | .194 | .194 | .133 | .133 | .133 | .076 | .076 | .076 | .024 | .024 | .024 | | |
| 1.0 | .225 | .192 | .163 | .192 | .165 | .140 | .132 | .114 | .097 | .076 | .066 | .056 | .024 | .021 | .018 | | |
| 2.0 | .219 | .169 | .127 | .187 | .146 | .110 | .128 | .101 | .077 | .074 | .059 | .045 | .024 | .019 | .015 | | |
| 3.0 | .211 | .152 | .105 | .181 | .131 | .091 | .124 | .091 | .064 | .072 | .053 | .038 | .023 | .017 | .012 | | |
| 4.0 | .203 | .140 | .091 | .174 | .121 | .079 | .120 | .084 | .056 | .069 | .049 | .033 | .022 | .016 | .011 | | |
| 5.0 | .195 | .130 | .081 | .167 | .112 | .071 | .115 | .078 | .050 | .067 | .046 | .030 | .022 | .015 | .010 | | |
| 6.0 | .187 | .122 | .074 | .161 | .105 | .065 | .111 | .074 | .046 | .064 | .043 | .027 | .021 | .014 | .009 | | |
| 7.0 | .180 | .115 | .069 | .155 | .099 | .060 | .107 | .070 | .043 | .062 | .041 | .025 | .020 | .013 | .008 | | |
| 8.0 | .173 | .109 | .065 | .149 | .095 | .057 | .103 | .066 | .040 | .060 | .039 | .024 | .019 | .013 | .008 | | |
| 9.0 | .166 | .104 | .062 | .143 | .090 | .054 | .099 | .064 | .039 | .058 | .038 | .023 | .019 | .012 | .008 | | |
| 10.0 | .160 | .100 | .060 | .138 | .087 | .052 | .096 | .061 | .037 | .056 | .036 | .022 | .018 | .012 | .007 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|-----|------------------|------|------|---------------------|------|----------------|------------------|------|------|------|
| NAME: HV9762-IP20-320-4K | | | | | TYPE: CSP320灯-4000K | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: 1* 0.008 | | | SERIAL No.: | | | |
| MFR.: EVERFINE | | | | | 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 | 2H | 16.8 | 18.4 | 17.1 | 18.7 | 19.0 | 15.5 | 17.1 | 15.8 | 17.4 | 17.7 |
| | 3H | 19.4 | 20.9 | 19.8 | 21.3 | 21.6 | 17.3 | 18.8 | 17.7 | 19.1 | 19.5 |
| | 4H | 20.8 | 22.3 | 21.2 | 22.6 | 23.0 | 18.0 | 19.5 | 18.4 | 19.8 | 20.2 |
| | 6H | 22.4 | 23.8 | 22.8 | 24.1 | 24.5 | 18.6 | 20.0 | 19.0 | 20.3 | 20.7 |
| | 8H | 23.2 | 24.6 | 23.7 | 24.9 | 25.4 | 18.8 | 20.1 | 19.2 | 20.5 | 20.9 |
| | 12H | 24.2 | 25.4 | 24.6 | 25.8 | 26.3 | 18.9 | 20.1 | 19.3 | 20.5 | 21.0 |
| 4H | 2H | 17.5 | 19.0 | 17.9 | 19.3 | 19.7 | 16.6 | 18.0 | 17.0 | 18.4 | 18.8 |
| | 3H | 20.4 | 21.7 | 20.9 | 22.1 | 22.5 | 18.7 | 20.0 | 19.1 | 20.4 | 20.8 |
| | 4H | 22.0 | 23.2 | 22.5 | 23.6 | 24.1 | 19.7 | 20.9 | 20.2 | 21.3 | 21.8 |
| | 6H | 23.8 | 24.9 | 24.3 | 25.3 | 25.8 | 20.5 | 21.6 | 21.0 | 22.0 | 22.5 |
| | 8H | 24.7 | 25.7 | 25.2 | 26.2 | 26.7 | 20.8 | 21.8 | 21.3 | 22.2 | 22.7 |
| | 12H | 25.8 | 26.7 | 26.3 | 27.2 | 27.7 | 21.0 | 21.9 | 21.5 | 22.4 | 22.9 |
| 8H | 4H | 22.5 | 23.5 | 23.0 | 24.0 | 24.5 | 20.7 | 21.7 | 21.2 | 22.1 | 22.6 |
| | 6H | 24.6 | 25.4 | 25.1 | 25.9 | 26.5 | 21.9 | 22.7 | 22.4 | 23.2 | 23.8 |
| | 8H | 25.7 | 26.5 | 26.3 | 27.0 | 27.6 | 22.4 | 23.2 | 23.0 | 23.7 | 24.3 |
| | 12H | 27.0 | 27.7 | 27.6 | 28.2 | 28.8 | 22.8 | 23.5 | 23.4 | 24.1 | 24.7 |
| 12H | 4H | 22.6 | 23.5 | 23.1 | 24.0 | 24.5 | 20.9 | 21.9 | 21.5 | 22.4 | 22.9 |
| | 6H | 24.7 | 25.5 | 25.3 | 26.0 | 26.6 | 22.4 | 23.1 | 22.9 | 23.7 | 24.2 |
| | 8H | 26.0 | 26.7 | 26.6 | 27.2 | 27.8 | 23.1 | 23.8 | 23.6 | 24.3 | 24.9 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.2 / - 0.4 | | | | | + 0.3 / - 0.5 | | | | |

CIE Pub.117, 1017 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

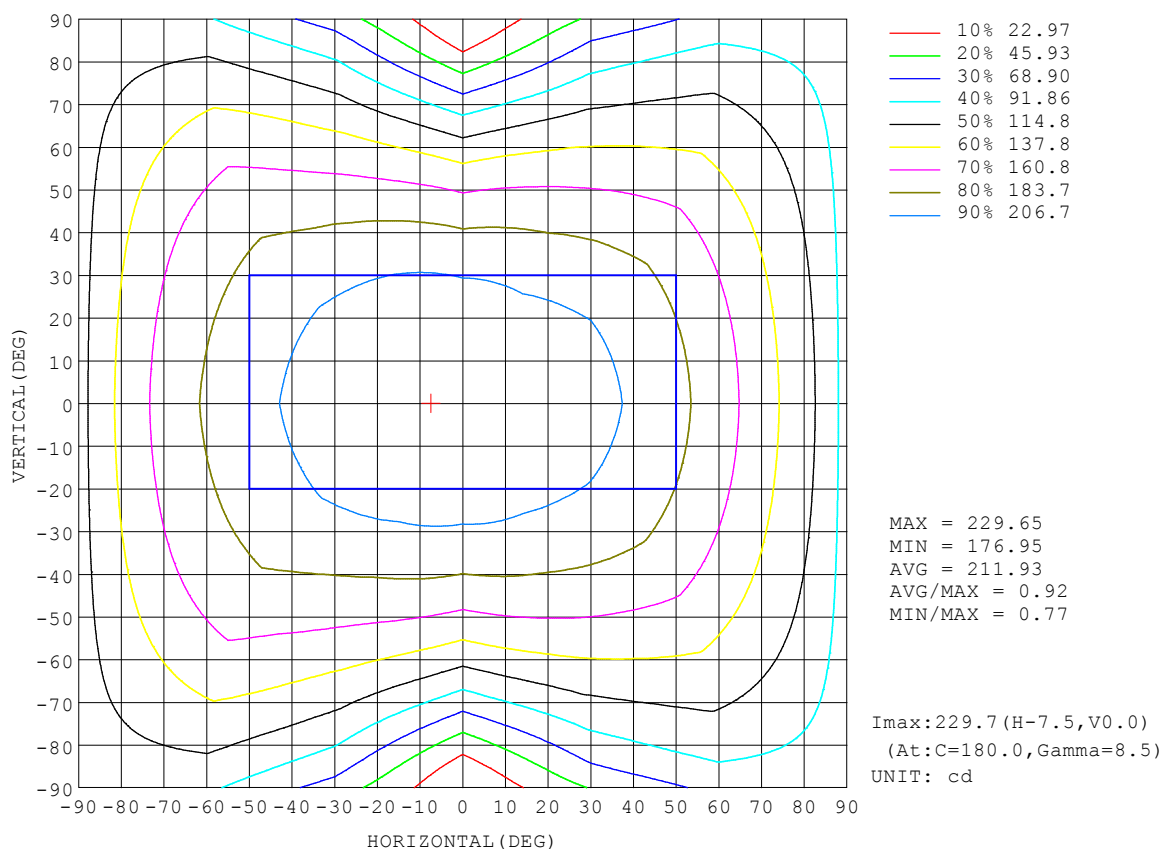
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 50 | 37 | 29 | 49 | 37 | 29 | 48 | 36 | 29 | 22 |
| 0.80 | 59 | 46 | 37 | 58 | 45 | 37 | 56 | 44 | 37 | 29 |
| 1.00 | 67 | 54 | 45 | 65 | 53 | 45 | 63 | 55 | 44 | 36 |
| 1.25 | 74 | 61 | 52 | 72 | 60 | 52 | 69 | 58 | 51 | 42 |
| 1.50 | 79 | 67 | 58 | 77 | 66 | 57 | 73 | 63 | 56 | 47 |
| 2.00 | 86 | 75 | 67 | 84 | 74 | 66 | 80 | 71 | 64 | 55 |
| 2.50 | 91 | 81 | 73 | 88 | 79 | 72 | 84 | 76 | 69 | 59 |
| 3.00 | 95 | 85 | 78 | 92 | 84 | 77 | 87 | 80 | 74 | 64 |
| 4.00 | 100 | 92 | 85 | 97 | 89 | 83 | 92 | 86 | 80 | 69 |
| 5.00 | 103 | 96 | 90 | 100 | 93 | 88 | 94 | 89 | 84 | 73 |
| 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: MEDIUM
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-06-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity: 65.0%
Test Distance: 6.070m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

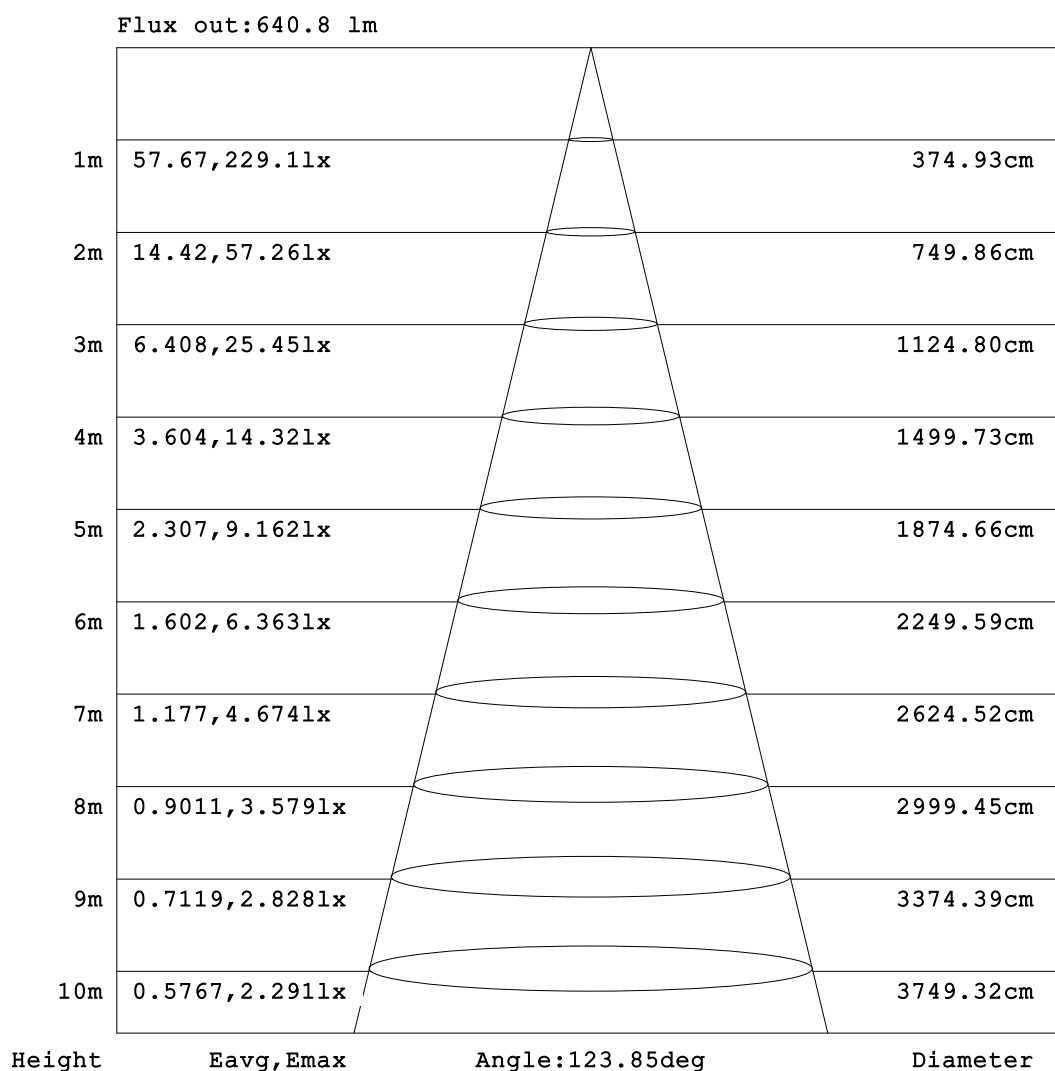


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity: 65.0%
Test Distance: 6.070m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |



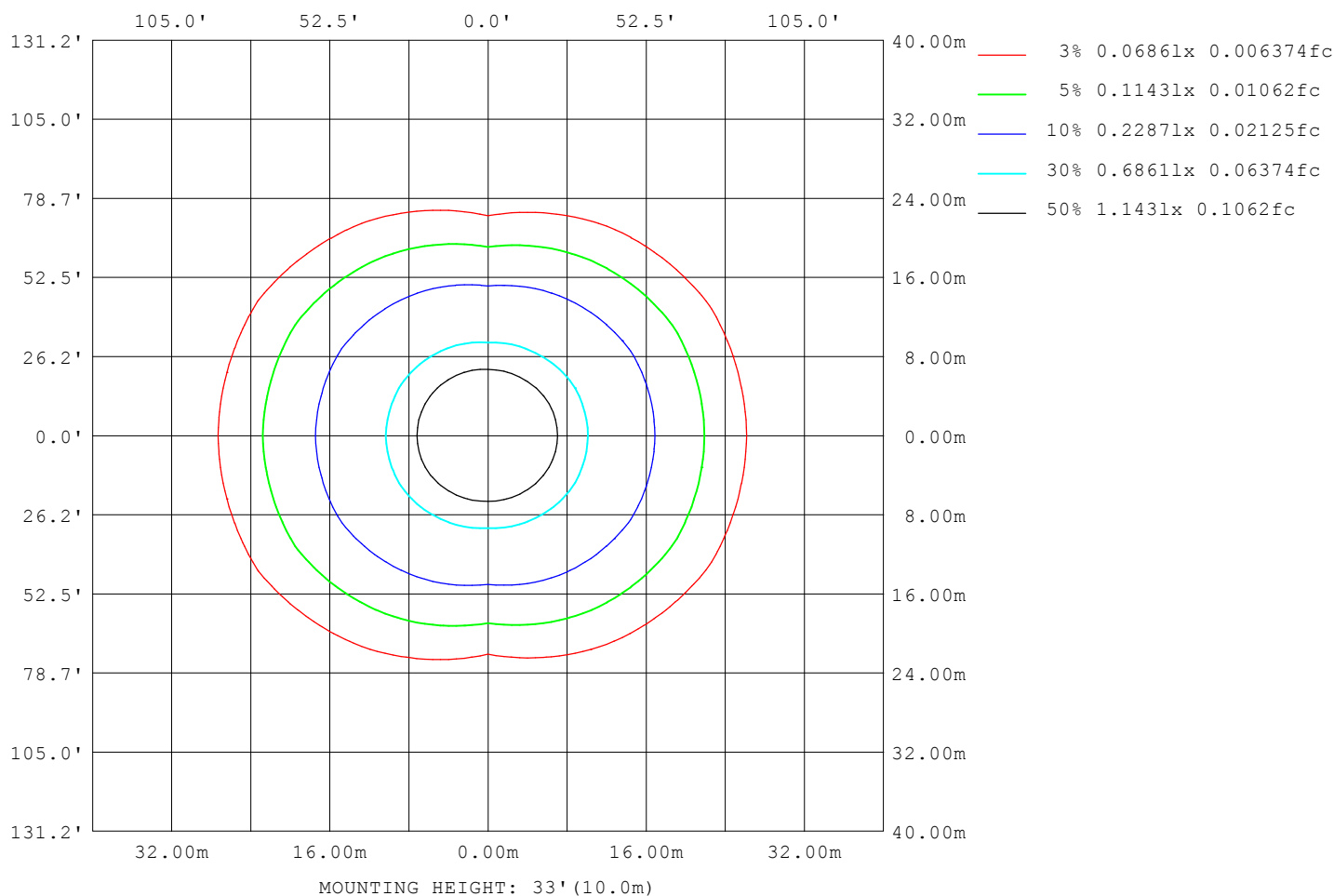
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity: 65.0%
Test Distance: 6.070m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

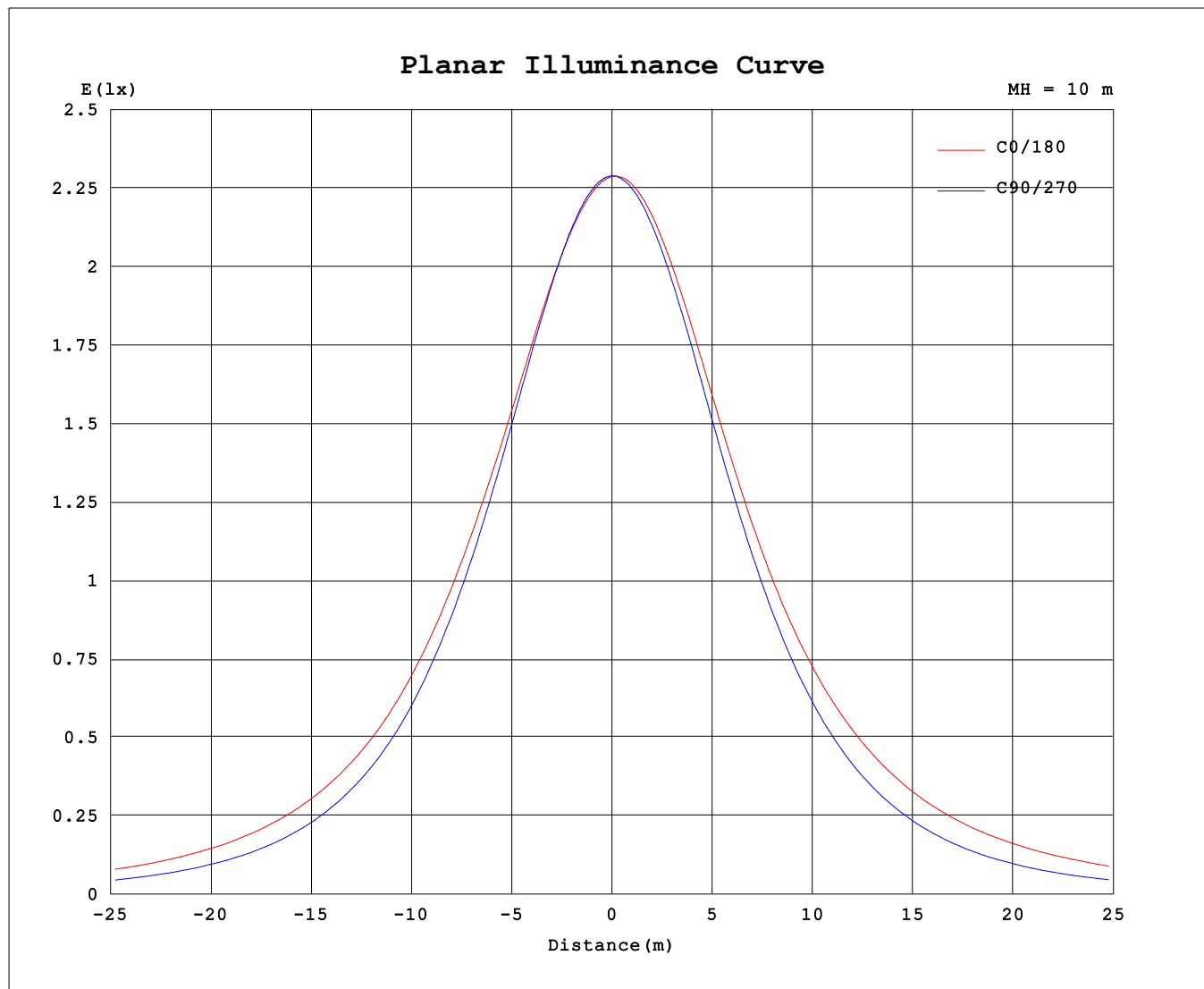
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 4003 |
| L_0~180 (75) av | 5641 |
| L_0~180 (85) av | 13304 |
| L_90~270 (65) av | 2400 |
| L_90~270 (75) av | 2165 |
| L_90~270 (85) av | 1452 |
| L_45 (65) av | 3613 |
| L_45 (75) av | 4933 |
| L_45 (85) av | 10987 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: zhuo
 Test Date: 2022-06-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
 Humidity: 65.0%
 Test Distance: 6.070m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--------------------------|---------------------|------------------|
| NAME: HV9762-IP20-320-4K | TYPE: CSP320灯-4000K | WEIGHT: |
| SPEC.: | DIM.: 1* 0.008 | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | | | | | | |
| 5 | 227 | 227 | 227 | 228 | 228 | 229 | 229 | 229 | 229 | 228 | 228 | 227 | | | | | | |
| 10 | 225 | 225 | 225 | 226 | 227 | 228 | 229 | 229 | 228 | 226 | 225 | 225 | | | | | | |
| 15 | 223 | 222 | 221 | 222 | 225 | 227 | 228 | 228 | 226 | 223 | 222 | 223 | | | | | | |
| 20 | 220 | 219 | 217 | 217 | 221 | 224 | 226 | 225 | 222 | 219 | 218 | 219 | | | | | | |
| 25 | 216 | 215 | 211 | 211 | 216 | 221 | 223 | 222 | 218 | 213 | 213 | 216 | | | | | | |
| 30 | 213 | 211 | 205 | 203 | 210 | 217 | 219 | 217 | 212 | 205 | 207 | 211 | | | | | | |
| 35 | 209 | 206 | 198 | 194 | 203 | 211 | 214 | 212 | 204 | 196 | 200 | 207 | | | | | | |
| 40 | 204 | 201 | 190 | 183 | 194 | 206 | 209 | 206 | 196 | 185 | 192 | 201 | | | | | | |
| 45 | 197 | 194 | 181 | 170 | 185 | 200 | 205 | 200 | 187 | 173 | 183 | 195 | | | | | | |
| 50 | 189 | 186 | 170 | 155 | 174 | 194 | 199 | 194 | 177 | 158 | 172 | 187 | | | | | | |
| 55 | 181 | 178 | 159 | 139 | 164 | 188 | 193 | 188 | 165 | 142 | 161 | 178 | | | | | | |
| 60 | 171 | 168 | 146 | 121 | 152 | 180 | 186 | 181 | 154 | 123 | 148 | 169 | | | | | | |
| 65 | 160 | 157 | 132 | 100 | 139 | 172 | 178 | 172 | 141 | 102 | 134 | 158 | | | | | | |
| 70 | 148 | 145 | 117 | 78.4 | 126 | 163 | 168 | 163 | 127 | 80.1 | 119 | 145 | | | | | | |
| 75 | 136 | 132 | 102 | 55.5 | 112 | 151 | 156 | 151 | 113 | 56.6 | 104 | 132 | | | | | | |
| 80 | 122 | 118 | 86.1 | 32.5 | 97.4 | 136 | 142 | 135 | 97.4 | 33.0 | 88.6 | 118 | | | | | | |
| 85 | 106 | 101 | 68.8 | 12.5 | 80.2 | 119 | 126 | 117 | 79.6 | 12.8 | 71.4 | 101 | | | | | | |
| 90 | 81.3 | 75.8 | 47.4 | 1.01 | 59.2 | 96.3 | 104 | 93.8 | 57.8 | 0.41 | 50.3 | 77.3 | | | | | | |
| 95 | 56.9 | 51.3 | 25.3 | 0.16 | 25.3 | 63.5 | 71.5 | 61.5 | 25.6 | 0.16 | 27.5 | 52.6 | | | | | | |
| 100 | 37.9 | 31.4 | 3.40 | 0.18 | 0.34 | 24.3 | 34.8 | 22.9 | 0.36 | 0.17 | 3.81 | 31.3 | | | | | | |
| 105 | 20.0 | 11.3 | 0.25 | 0.21 | 0.21 | 1.40 | 4.39 | 1.30 | 0.22 | 0.20 | 0.25 | 9.47 | | | | | | |
| 110 | 3.55 | 0.55 | 0.25 | 0.24 | 0.21 | 0.27 | 0.34 | 0.27 | 0.24 | 0.21 | 0.28 | 0.48 | | | | | | |
| 115 | 0.34 | 0.33 | 0.26 | 0.26 | 0.23 | 0.29 | 0.29 | 0.27 | 0.27 | 0.25 | 0.30 | 0.33 | | | | | | |
| 120 | 0.34 | 0.35 | 0.29 | 0.28 | 0.26 | 0.31 | 0.31 | 0.28 | 0.29 | 0.26 | 0.32 | 0.33 | | | | | | |
| 125 | 0.35 | 0.37 | 0.30 | 0.31 | 0.29 | 0.33 | 0.33 | 0.30 | 0.31 | 0.29 | 0.34 | 0.34 | | | | | | |
| 130 | 0.35 | 0.38 | 0.33 | 0.33 | 0.31 | 0.35 | 0.36 | 0.32 | 0.34 | 0.31 | 0.37 | 0.36 | | | | | | |
| 135 | 0.36 | 0.39 | 0.34 | 0.35 | 0.33 | 0.37 | 0.37 | 0.35 | 0.36 | 0.35 | 0.38 | 0.39 | | | | | | |
| 140 | 0.37 | 0.40 | 0.36 | 0.37 | 0.35 | 0.38 | 0.39 | 0.36 | 0.39 | 0.35 | 0.40 | 0.40 | | | | | | |
| 145 | 0.39 | 0.42 | 0.39 | 0.39 | 0.37 | 0.40 | 0.41 | 0.38 | 0.40 | 0.38 | 0.41 | 0.40 | | | | | | |
| 150 | 0.39 | 0.43 | 0.39 | 0.40 | 0.40 | 0.41 | 0.42 | 0.39 | 0.42 | 0.39 | 0.43 | 0.41 | | | | | | |
| 155 | 0.40 | 0.43 | 0.40 | 0.42 | 0.40 | 0.42 | 0.43 | 0.40 | 0.43 | 0.41 | 0.44 | 0.42 | | | | | | |
| 160 | 0.45 | 0.45 | 0.43 | 0.44 | 0.42 | 0.44 | 0.44 | 0.42 | 0.44 | 0.43 | 0.45 | 0.44 | | | | | | |
| 165 | 0.45 | 0.45 | 0.44 | 0.45 | 0.44 | 0.44 | 0.45 | 0.44 | 0.44 | 0.44 | 0.46 | 0.44 | | | | | | |
| 170 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.45 | 0.44 | 0.44 | 0.44 | 0.46 | 0.44 | | | | | | |
| 175 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.45 | 0.44 | 0.44 | 0.44 | 0.46 | 0.44 | | | | | | |
| 180 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.45 | 0.46 | 0.44 | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-06-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks: