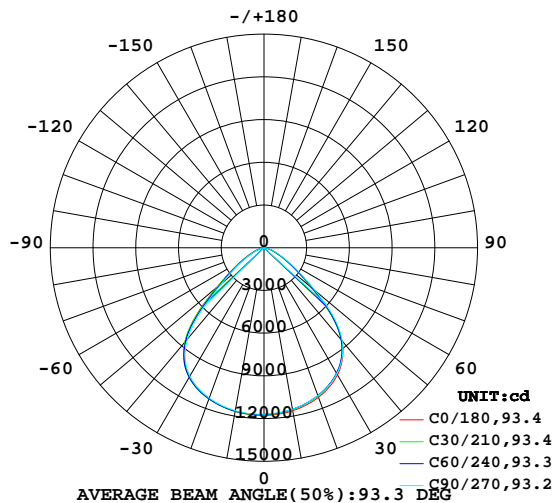


LUMINAIRE PHOTOMETRIC TEST REPORT

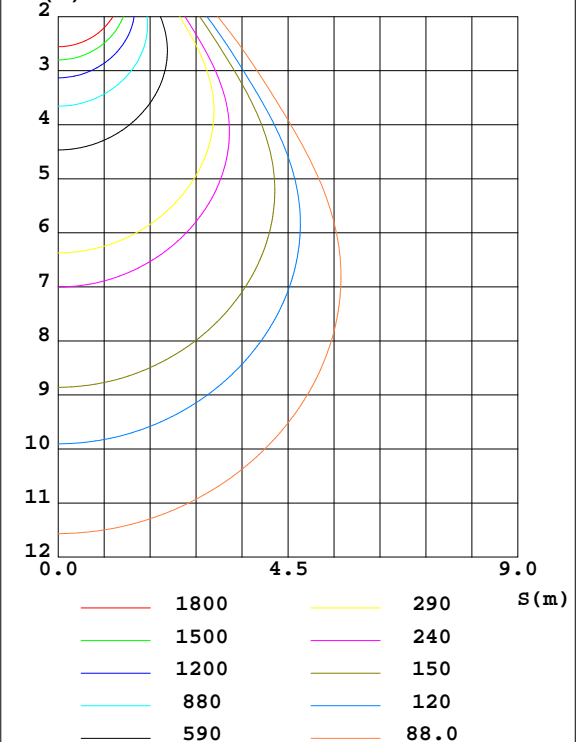
| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 161.86 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 11773 | S/MH(C0/180) | 1.31 |
| NOMINAL POWER(W) | 150 | LOR(%) | 100.0 | S/MH(C90/270) | 1.30 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 24603 | η UP,DN(C0-180) | 0.4,50.1 |
| NOMINAL FLUX(lm) | 24602.6 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.5,48.9 |
| LAMPS INSIDE | 1 | η up(%) | 0.9 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 230 | η down(%) | 99.1 | 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:25.3DEG
 Operators:sume
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.610m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

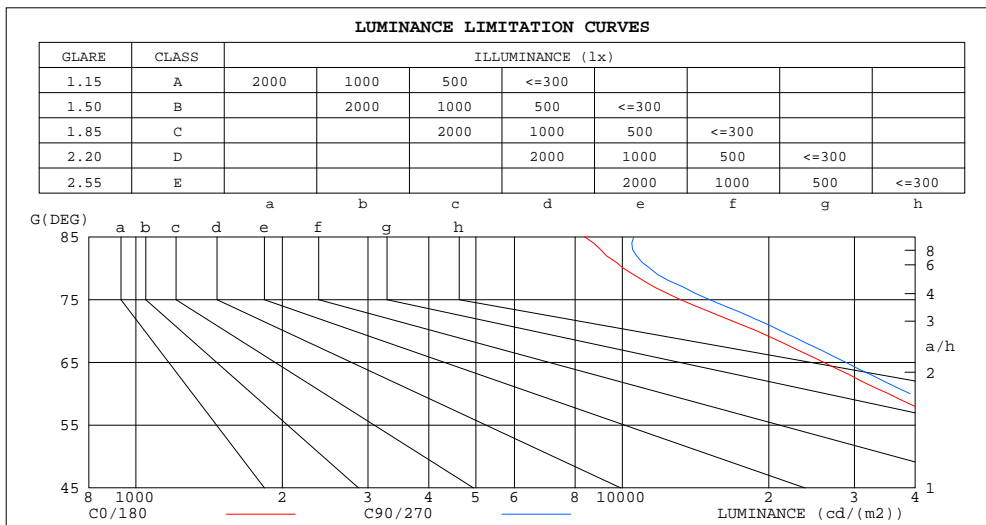
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------------|
| 10 | 1162 | 1154 | 1152 | 1152 | 1167 | 1166 | 1162 | 1156 | 0- 10 | 1112 | 1112 | 4.52,4.52 |
| 20 | 1118 | 1107 | 1107 | 1109 | 1127 | 1130 | 1124 | 1115 | 10- 20 | 3225 | 4337 | 17.6,17.6 |
| 30 | 1031 | 1019 | 1022 | 1026 | 1044 | 1051 | 1041 | 1030 | 20- 30 | 4983 | 9320 | 37.9,37.9 |
| 40 | 850.1 | 842.6 | 855.2 | 853.6 | 862.1 | 861.0 | 835.4 | 836.3 | 30- 40 | 5970 | 15290 | 62.1,62.1 |
| 50 | 432.6 | 447.3 | 475.2 | 456.9 | 430.0 | 413.6 | 381.8 | 400.0 | 40- 50 | 5016 | 20307 | 82.5,82.5 |
| 60 | 176.1 | 182.2 | 195.2 | 184.8 | 173.3 | 167.0 | 152.5 | 161.7 | 50- 60 | 2518 | 22825 | 92.8,92.8 |
| 70 | 64.67 | 67.84 | 72.50 | 68.42 | 60.99 | 58.62 | 52.48 | 56.55 | 60- 70 | 1099 | 23924 | 97.2,97.2 |
| 80 | 17.44 | 18.11 | 19.77 | 18.46 | 16.06 | 15.10 | 13.41 | 14.79 | 70- 80 | 371.9 | 24296 | 98.8,98.8 |
| 90 | 0.5207 | 0.8136 | 1.456 | 0.8082 | 0.5051 | 0.4875 | 0.4867 | 0.4957 | 80- 90 | 77.99 | 24374 | 99.1,99.1 |
| 100 | 0.5851 | 0.5616 | 0.5206 | 0.5524 | 0.7974 | 0.8246 | 0.8779 | 0.8437 | 90-100 | 5.868 | 24380 | 99.1,99.1 |
| 110 | 1.417 | 1.373 | 1.291 | 1.344 | 1.810 | 1.837 | 1.921 | 1.875 | 100-110 | 11.67 | 24392 | 99.1,99.1 |
| 120 | 2.767 | 2.713 | 2.592 | 2.650 | 3.276 | 3.290 | 3.389 | 3.338 | 110-120 | 22.48 | 24414 | 99.2,99.2 |
| 130 | 4.343 | 4.301 | 4.178 | 4.211 | 4.898 | 4.877 | 4.962 | 4.921 | 120-130 | 33.88 | 24448 | 99.4,99.4 |
| 140 | 5.790 | 5.767 | 5.653 | 5.668 | 6.320 | 6.258 | 6.307 | 6.283 | 130-140 | 41.00 | 24489 | 99.5,99.5 |
| 150 | 7.071 | 7.052 | 6.956 | 6.955 | 7.513 | 7.439 | 7.477 | 7.453 | 140-150 | 41.40 | 24530 | 99.7,99.7 |
| 160 | 8.534 | 8.517 | 8.416 | 8.405 | 8.871 | 8.790 | 8.796 | 8.769 | 150-160 | 36.50 | 24567 | 99.9,99.9 |
| 170 | 9.807 | 9.796 | 9.713 | 9.675 | 9.989 | 9.894 | 9.851 | 9.825 | 160-170 | 26.06 | 24593 | 100,100 |
| 180 | 10.49 | 10.46 | 10.39 | 10.33 | 10.52 | 10.46 | 10.37 | 10.33 | 170-180 | 9.620 | 24603 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume1
Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 8364 | 10556 |
| 80 | 10045 | 11385 |
| 75 | 13160 | 15097 |
| 70 | 18909 | 21198 |
| 65 | 25945 | 28796 |
| 60 | 35220 | 39030 |
| 55 | 48357 | 53135 |
| 50 | 67307 | 73926 |
| 45 | 94672 | 98613 |

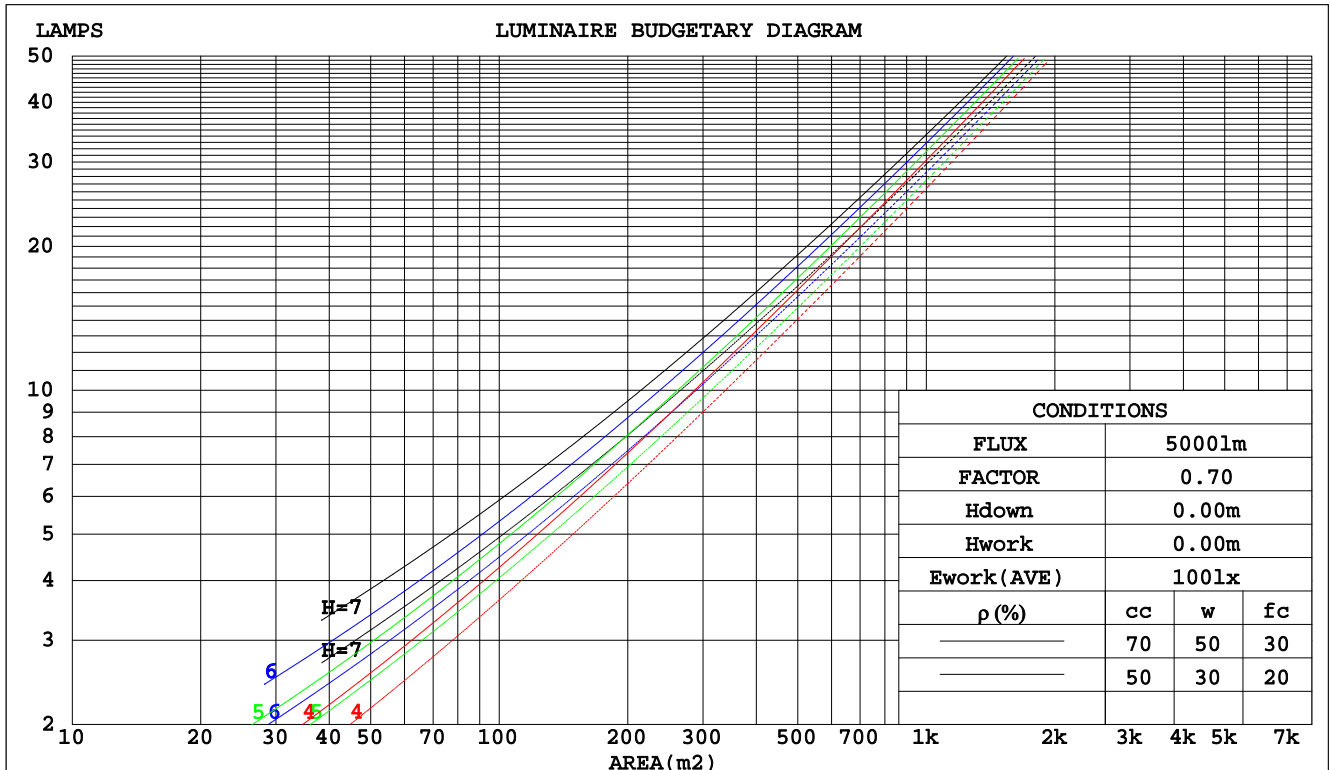
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.07 | 1.04 | 1.01 | 1.05 | 1.02 | .00 | 1.01 | .98 | .96 | .97 | .95 | .93 | .93 | .92 | .90 | .88 |
| 2.0 | .97 | .91 | .87 | .95 | .90 | .86 | .91 | .87 | .83 | .88 | .85 | .82 | .85 | .82 | .80 | .78 |
| 3.0 | .87 | .80 | .75 | .85 | .79 | .74 | .82 | .77 | .73 | .80 | .75 | .72 | .77 | .74 | .70 | .68 |
| 4.0 | .79 | .71 | .66 | .77 | .70 | .65 | .75 | .69 | .64 | .73 | .67 | .63 | .70 | .66 | .62 | .60 |
| 5.0 | .71 | .64 | .58 | .70 | .63 | .58 | .68 | .62 | .57 | .66 | .61 | .56 | .64 | .59 | .56 | .54 |
| 6.0 | .65 | .57 | .52 | .64 | .57 | .51 | .62 | .56 | .51 | .61 | .55 | .50 | .59 | .54 | .50 | .48 |
| 7.0 | .59 | .52 | .46 | .59 | .51 | .46 | .57 | .50 | .46 | .56 | .50 | .45 | .54 | .49 | .45 | .43 |
| 8.0 | .55 | .47 | .42 | .54 | .47 | .42 | .53 | .46 | .41 | .51 | .45 | .41 | .50 | .45 | .41 | .39 |
| 9.0 | .50 | .43 | .38 | .50 | .43 | .38 | .49 | .42 | .38 | .48 | .42 | .37 | .46 | .41 | .37 | .35 |
| 10.0 | .47 | .39 | .35 | .46 | .39 | .34 | .45 | .39 | .34 | .44 | .38 | .34 | .43 | .38 | .34 | .32 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sume
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.610m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

| 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 | .237 | .135 | .043 | .229 | .131 | .042 | .216 | .124 | .040 | .204 | .117 | .038 | .192 | .111 | .036 | | |
| 2.0 | .230 | .126 | .039 | .224 | .123 | .038 | .212 | .118 | .037 | .202 | .113 | .035 | .192 | .108 | .034 | | |
| 3.0 | .220 | .117 | .035 | .214 | .115 | .035 | .204 | .111 | .034 | .195 | .107 | .033 | .186 | .103 | .032 | | |
| 4.0 | .208 | .108 | .032 | .203 | .106 | .031 | .194 | .103 | .031 | .186 | .100 | .030 | .178 | .097 | .029 | | |
| 5.0 | .196 | .100 | .029 | .192 | .099 | .029 | .184 | .096 | .028 | .177 | .093 | .028 | .170 | .091 | .027 | | |
| 6.0 | .186 | .093 | .027 | .182 | .092 | .026 | .175 | .090 | .026 | .168 | .087 | .026 | .162 | .085 | .025 | | |
| 7.0 | .175 | .087 | .025 | .172 | .086 | .024 | .166 | .084 | .024 | .160 | .082 | .024 | .154 | .080 | .024 | | |
| 8.0 | .166 | .081 | .023 | .163 | .080 | .023 | .157 | .079 | .022 | .152 | .077 | .022 | .147 | .075 | .022 | | |
| 9.0 | .157 | .076 | .021 | .155 | .075 | .021 | .149 | .074 | .021 | .145 | .072 | .021 | .140 | .071 | .021 | | |
| 10.0 | .149 | .072 | .020 | .147 | .071 | .020 | .142 | .070 | .020 | .138 | .068 | .019 | .134 | .067 | .019 | | |

| 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 | .198 | .198 | .198 | .169 | .169 | .169 | .115 | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 | | |
| 1.0 | .182 | .164 | .147 | .156 | .141 | .127 | .107 | .097 | .088 | .061 | .056 | .051 | .020 | .018 | .016 | | |
| 2.0 | .171 | .139 | .113 | .147 | .120 | .097 | .101 | .083 | .068 | .058 | .048 | .040 | .019 | .016 | .013 | | |
| 3.0 | .162 | .121 | .089 | .139 | .105 | .077 | .095 | .073 | .054 | .055 | .042 | .032 | .018 | .014 | .010 | | |
| 4.0 | .154 | .107 | .072 | .132 | .093 | .062 | .091 | .065 | .044 | .053 | .038 | .026 | .017 | .012 | .009 | | |
| 5.0 | .147 | .097 | .059 | .126 | .084 | .052 | .087 | .058 | .037 | .050 | .034 | .022 | .016 | .011 | .007 | | |
| 6.0 | .140 | .088 | .050 | .120 | .076 | .044 | .083 | .053 | .031 | .048 | .031 | .018 | .016 | .010 | .006 | | |
| 7.0 | .134 | .081 | .044 | .115 | .070 | .038 | .080 | .049 | .027 | .046 | .029 | .016 | .015 | .009 | .005 | | |
| 8.0 | .128 | .075 | .039 | .110 | .065 | .034 | .076 | .046 | .024 | .044 | .027 | .014 | .014 | .009 | .005 | | |
| 9.0 | .123 | .070 | .035 | .106 | .061 | .030 | .073 | .043 | .021 | .043 | .025 | .013 | .014 | .008 | .004 | | |
| 10.0 | .118 | .066 | .031 | .102 | .057 | .027 | .070 | .040 | .019 | .041 | .024 | .012 | .013 | .008 | .004 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | | |
|--|-----|------------------|------|------|------|-------|----------------|---------------------|------|------|------|------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | | | | | | | | | | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | | | | | | TYPE: | | WEIGHT: | | | | |
| SPEC.: | | | | | | DIM.: | | SERIAL No.:001 | | | | |
| MFR.: EVERFINE | | | | | | SUR.: | | Shielding Angle:120 | | | | |
| 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 | | 14.9 | 16.1 | 15.1 | 16.3 | 16.6 | 15.1 | 16.4 | 15.3 | 16.6 | 16.8 | |
| | | 3H | 15.0 | 16.2 | 15.3 | 16.4 | 16.7 | 15.3 | 16.5 | 15.6 | 16.7 | 16.9 |
| | | 4H | 15.0 | 16.1 | 15.3 | 16.4 | 16.6 | 15.3 | 16.4 | 15.6 | 16.7 | 16.9 |
| | | 6H | 15.0 | 16.0 | 15.3 | 16.3 | 16.6 | 15.3 | 16.3 | 15.6 | 16.6 | 16.9 |
| | | 8H | 14.9 | 15.9 | 15.3 | 16.2 | 16.5 | 15.2 | 16.2 | 15.6 | 16.5 | 16.8 |
| | | 12H | 14.9 | 15.9 | 15.3 | 16.2 | 16.5 | 15.2 | 16.2 | 15.6 | 16.5 | 16.8 |
| 4H | 2H | 14.9 | 16.0 | 15.2 | 16.3 | 16.5 | 15.1 | 16.2 | 15.4 | 16.5 | 16.7 | |
| | 3H | 15.1 | 16.1 | 15.5 | 16.4 | 16.7 | 15.4 | 16.3 | 15.7 | 16.6 | 17.0 | |
| | 4H | 15.2 | 16.1 | 15.6 | 16.4 | 16.7 | 15.4 | 16.3 | 15.8 | 16.6 | 17.0 | |
| | 6H | 15.2 | 15.9 | 15.6 | 16.3 | 16.7 | 15.5 | 16.2 | 15.9 | 16.6 | 17.0 | |
| | 8H | 15.2 | 15.9 | 15.6 | 16.2 | 16.6 | 15.5 | 16.2 | 15.9 | 16.5 | 16.9 | |
| | 12H | 15.2 | 15.8 | 15.6 | 16.2 | 16.6 | 15.4 | 16.1 | 15.9 | 16.5 | 16.9 | |
| 8H | 4H | 15.1 | 15.8 | 15.5 | 16.2 | 16.6 | 15.4 | 16.1 | 15.8 | 16.5 | 16.9 | |
| | 6H | 15.2 | 15.7 | 15.6 | 16.2 | 16.6 | 15.4 | 16.0 | 15.9 | 16.4 | 16.9 | |
| | 8H | 15.2 | 15.7 | 15.6 | 16.1 | 16.6 | 15.4 | 15.9 | 15.9 | 16.4 | 16.8 | |
| | 12H | 15.2 | 15.6 | 15.7 | 16.1 | 16.6 | 15.5 | 15.9 | 15.9 | 16.3 | 16.8 | |
| 12H | 4H | 15.1 | 15.7 | 15.5 | 16.1 | 16.5 | 15.3 | 16.0 | 15.8 | 16.4 | 16.8 | |
| | 6H | 15.1 | 15.6 | 15.6 | 16.1 | 16.5 | 15.4 | 15.9 | 15.9 | 16.3 | 16.8 | |
| | 8H | 15.2 | 15.6 | 15.6 | 16.0 | 16.5 | 15.4 | 15.9 | 15.9 | 16.3 | 16.8 | |
| Variations with the observer position at spacings: | | | | | | | | | | | | |
| S = 1.0H | | + 1.3 / - 1.7 | | | | | + 1.2 / - 1.5 | | | | | |
| 1.5H | | + 0.8 / - 1.2 | | | | | + 0.8 / - 1.2 | | | | | |
| 2.0H | | + 2.8 / - 2.4 | | | | | + 2.7 / - 2.4 | | | | | |

CIE Pub.117, 24603 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.1)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

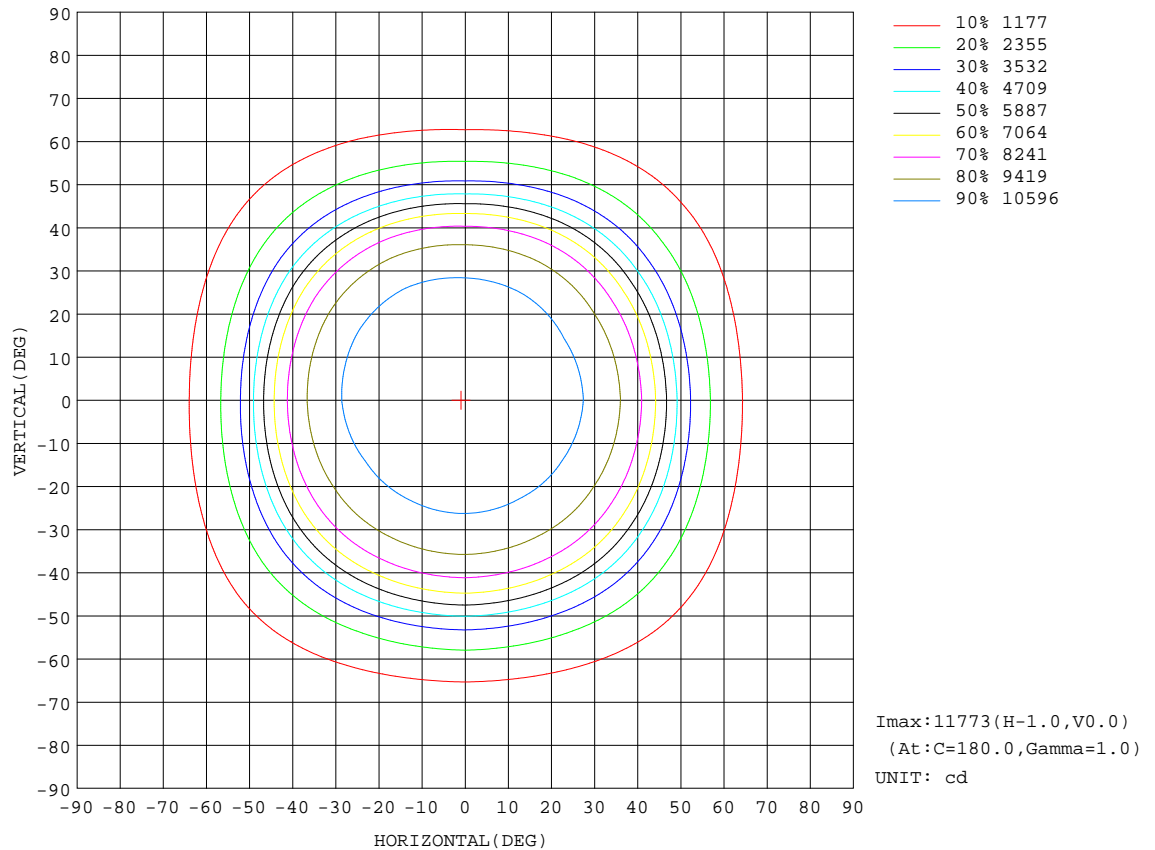
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 67 | 58 | 52 | 67 | 57 | 52 | 66 | 57 | 52 | 46 |
| 0.80 | 78 | 68 | 62 | 77 | 68 | 62 | 75 | 67 | 62 | 56 |
| 1.00 | 86 | 77 | 71 | 84 | 76 | 71 | 82 | 77 | 70 | 64 |
| 1.25 | 92 | 84 | 78 | 91 | 83 | 78 | 88 | 82 | 77 | 71 |
| 1.50 | 96 | 89 | 83 | 95 | 88 | 83 | 92 | 86 | 82 | 75 |
| 2.00 | 102 | 95 | 90 | 100 | 94 | 90 | 97 | 92 | 88 | 81 |
| 2.50 | 104 | 98 | 94 | 102 | 97 | 93 | 99 | 94 | 91 | 84 |
| 3.00 | 107 | 102 | 98 | 105 | 100 | 96 | 101 | 97 | 94 | 86 |
| 4.00 | 110 | 105 | 102 | 107 | 104 | 101 | 103 | 100 | 98 | 89 |
| 5.00 | 111 | 108 | 105 | 109 | 106 | 103 | 105 | 102 | 100 | 91 |
| 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:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |



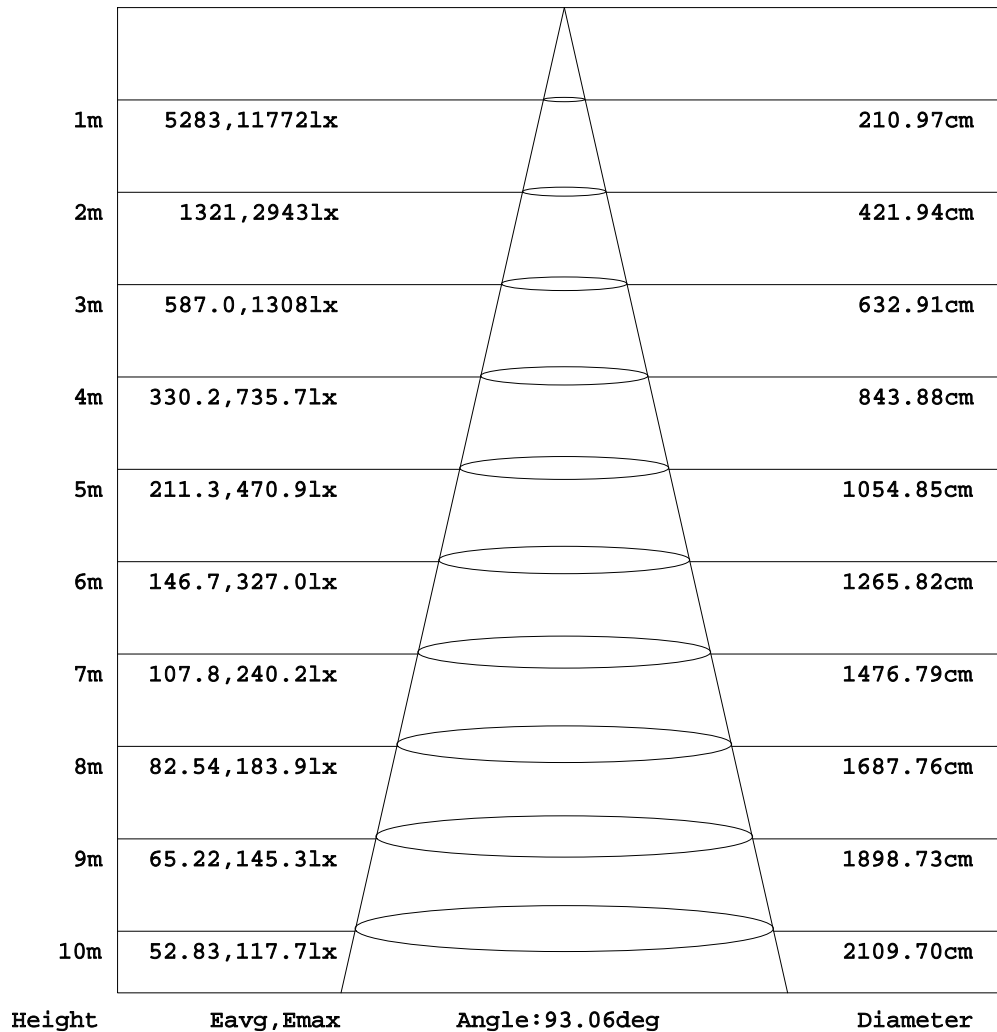
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

Flux out:19086 lm



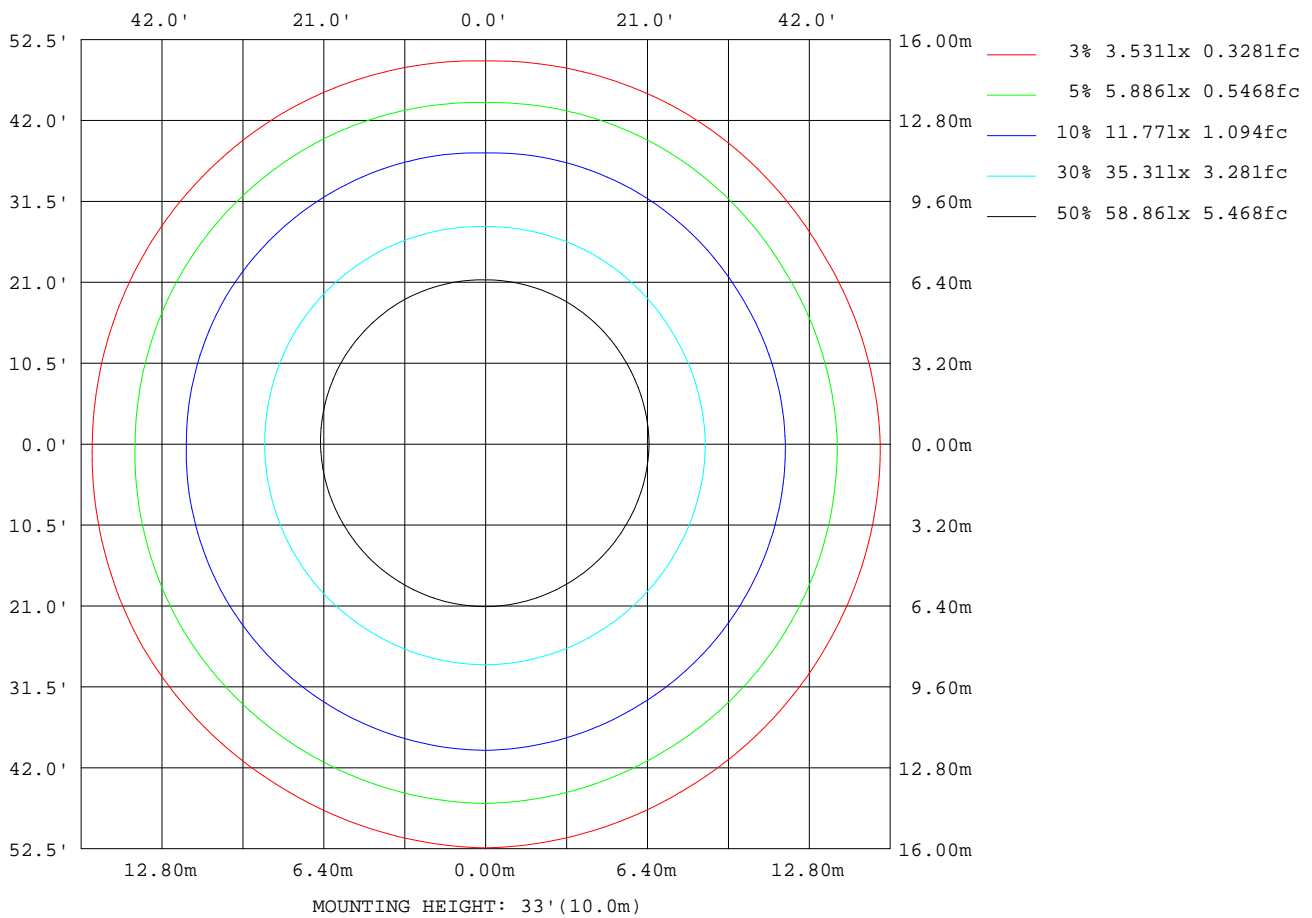
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sume
Test Date:2022-11-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.610m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

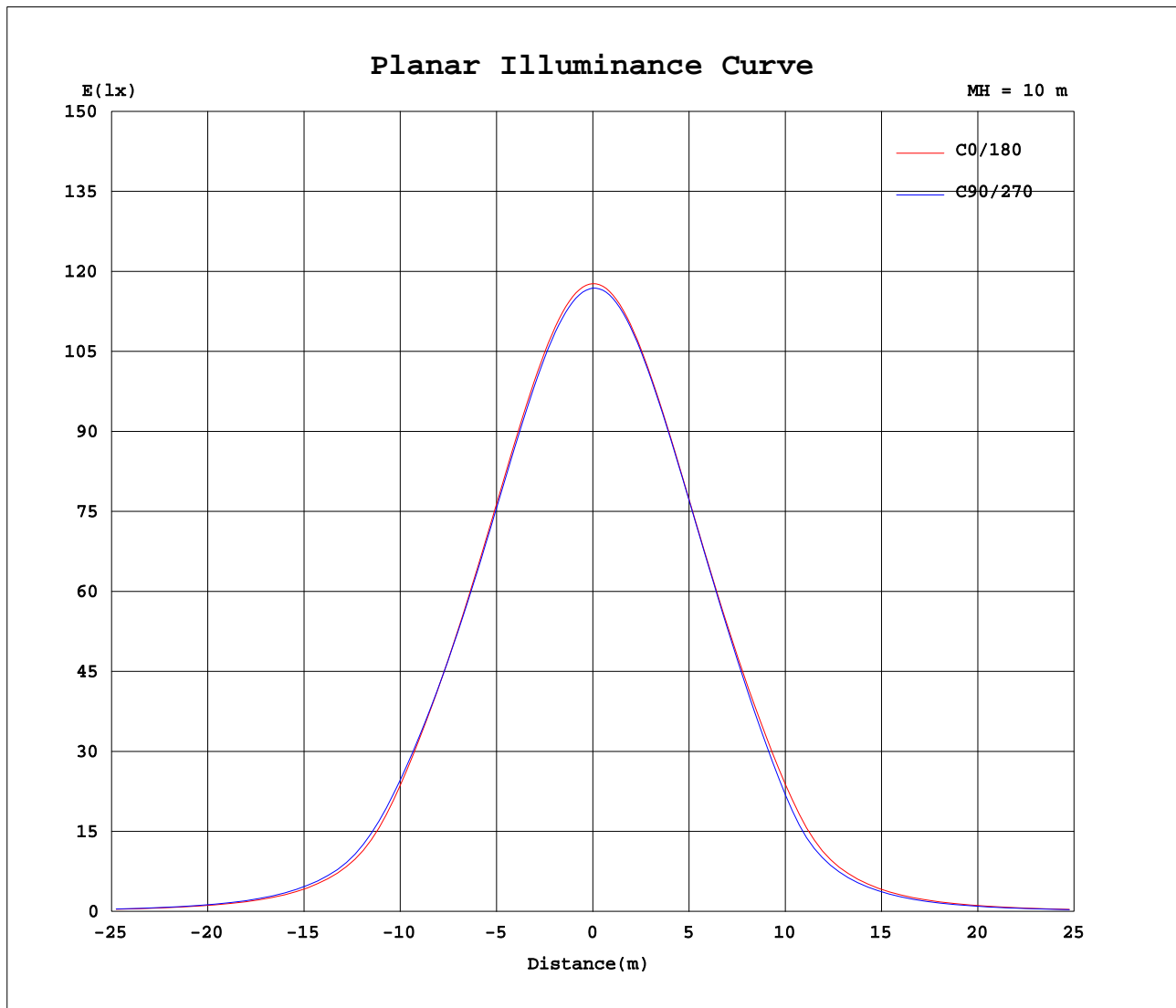
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 25527 |
| L_0~180(75)av | 12722 |
| L_0~180(85)av | 7758 |
| L_90~270(65)av | 25428 |
| L_90~270(75)av | 12815 |
| L_90~270(85)av | 7346 |
| L_45(65)av | 25590 |
| L_45(75)av | 12730 |
| L_45(85)av | 7557 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sumeit
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.610m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: sumei
Test Date: 2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|---------------------|
| Test:U:229.85V I:1.3711A P:152.00W PF:0.4823 Freq:49.99Hz Lamp Flux:24602.6x1 lm | | |
| NAME: iHBL200W-S508N-CHMS-P09-00B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:001 |
| MFR.: EVERFINE | SUR.: | Shielding Angle:120 |

Table--1

UNIT: x10cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 1177 | 1173 | 1171 | 1169 | 1167 | 1165 | 1177 | 1173 | 1171 | 1169 | 1167 | 1165 | | | | | | |
| 5 | 1173 | 1168 | 1165 | 1163 | 1162 | 1162 | 1176 | 1174 | 1172 | 1169 | 1166 | 1163 | | | | | | |
| 10 | 1162 | 1156 | 1152 | 1152 | 1151 | 1152 | 1167 | 1167 | 1165 | 1162 | 1158 | 1154 | | | | | | |
| 15 | 1144 | 1136 | 1133 | 1133 | 1133 | 1135 | 1151 | 1152 | 1152 | 1147 | 1143 | 1136 | | | | | | |
| 20 | 1118 | 1109 | 1105 | 1107 | 1107 | 1111 | 1127 | 1130 | 1130 | 1124 | 1119 | 1111 | | | | | | |
| 25 | 1081 | 1071 | 1068 | 1070 | 1071 | 1076 | 1093 | 1098 | 1098 | 1091 | 1085 | 1076 | | | | | | |
| 30 | 1031 | 1020 | 1018 | 1022 | 1023 | 1028 | 1044 | 1051 | 1051 | 1041 | 1035 | 1026 | | | | | | |
| 35 | 960 | 949 | 948 | 955 | 954 | 960 | 973 | 979 | 977 | 964 | 960 | 951 | | | | | | |
| 40 | 850 | 842 | 844 | 855 | 851 | 856 | 862 | 866 | 856 | 835 | 838 | 834 | | | | | | |
| 45 | 669 | 667 | 678 | 697 | 687 | 685 | 675 | 672 | 649 | 619 | 632 | 637 | | | | | | |
| 50 | 433 | 442 | 453 | 475 | 463 | 451 | 430 | 426 | 401 | 382 | 396 | 404 | | | | | | |
| 55 | 277 | 283 | 290 | 305 | 295 | 289 | 274 | 267 | 257 | 243 | 253 | 255 | | | | | | |
| 60 | 176 | 180 | 185 | 195 | 186 | 183 | 173 | 169 | 165 | 152 | 161 | 162 | | | | | | |
| 65 | 110 | 112 | 116 | 122 | 117 | 114 | 106 | 105 | 101 | 93.2 | 98.1 | 101 | | | | | | |
| 70 | 64.7 | 66.4 | 69.2 | 72.5 | 69.5 | 67.4 | 61.0 | 59.7 | 57.5 | 52.5 | 55.3 | 57.8 | | | | | | |
| 75 | 34.1 | 34.9 | 36.6 | 39.1 | 36.8 | 35.6 | 31.8 | 31.0 | 30.0 | 27.3 | 28.7 | 30.1 | | | | | | |
| 80 | 17.4 | 17.8 | 18.4 | 19.8 | 18.9 | 18.0 | 16.1 | 15.5 | 14.7 | 13.4 | 14.3 | 15.3 | | | | | | |
| 85 | 7.29 | 7.64 | 8.29 | 9.20 | 8.69 | 7.83 | 6.23 | 5.52 | 4.66 | 3.60 | 4.53 | 5.53 | | | | | | |
| 90 | 0.52 | 0.62 | 1.00 | 1.46 | 1.03 | 0.59 | 0.51 | 0.49 | 0.49 | 0.49 | 0.49 | 0.50 | | | | | | |
| 95 | 0.43 | 0.44 | 0.45 | 0.44 | 0.43 | 0.43 | 0.54 | 0.53 | 0.54 | 0.56 | 0.55 | 0.55 | | | | | | |
| 100 | 0.59 | 0.58 | 0.55 | 0.52 | 0.54 | 0.56 | 0.80 | 0.81 | 0.84 | 0.88 | 0.85 | 0.83 | | | | | | |
| 105 | 0.93 | 0.92 | 0.87 | 0.83 | 0.87 | 0.89 | 1.24 | 1.24 | 1.29 | 1.33 | 1.31 | 1.28 | | | | | | |
| 110 | 1.42 | 1.40 | 1.34 | 1.29 | 1.33 | 1.36 | 1.81 | 1.81 | 1.86 | 1.92 | 1.89 | 1.86 | | | | | | |
| 115 | 2.04 | 2.03 | 1.95 | 1.89 | 1.93 | 1.96 | 2.50 | 2.50 | 2.55 | 2.62 | 2.58 | 2.55 | | | | | | |
| 120 | 2.77 | 2.75 | 2.67 | 2.59 | 2.64 | 2.66 | 3.28 | 3.26 | 3.32 | 3.39 | 3.35 | 3.32 | | | | | | |
| 125 | 3.55 | 3.54 | 3.46 | 3.37 | 3.41 | 3.43 | 4.09 | 4.06 | 4.11 | 4.18 | 4.15 | 4.13 | | | | | | |
| 130 | 4.34 | 4.34 | 4.26 | 4.18 | 4.20 | 4.22 | 4.90 | 4.86 | 4.90 | 4.96 | 4.93 | 4.91 | | | | | | |
| 135 | 5.09 | 5.10 | 5.02 | 4.94 | 4.96 | 4.98 | 5.65 | 5.59 | 5.62 | 5.67 | 5.65 | 5.63 | | | | | | |
| 140 | 5.79 | 5.80 | 5.73 | 5.65 | 5.67 | 5.67 | 6.32 | 6.24 | 6.27 | 6.31 | 6.29 | 6.27 | | | | | | |
| 145 | 6.43 | 6.45 | 6.37 | 6.31 | 6.31 | 6.32 | 6.91 | 6.83 | 6.85 | 6.88 | 6.86 | 6.85 | | | | | | |
| 150 | 7.07 | 7.08 | 7.02 | 6.96 | 6.96 | 6.95 | 7.51 | 7.43 | 7.45 | 7.48 | 7.46 | 7.44 | | | | | | |
| 155 | 7.79 | 7.80 | 7.74 | 7.67 | 7.67 | 7.67 | 8.20 | 8.11 | 8.13 | 8.15 | 8.13 | 8.11 | | | | | | |
| 160 | 8.53 | 8.55 | 8.48 | 8.42 | 8.41 | 8.40 | 8.87 | 8.79 | 8.79 | 8.80 | 8.78 | 8.76 | | | | | | |
| 165 | 9.23 | 9.26 | 9.19 | 9.13 | 9.10 | 9.10 | 9.48 | 9.39 | 9.38 | 9.37 | 9.35 | 9.33 | | | | | | |
| 170 | 9.81 | 9.83 | 9.77 | 9.71 | 9.69 | 9.66 | 9.99 | 9.90 | 9.89 | 9.85 | 9.84 | 9.81 | | | | | | |
| 175 | 10.2 | 10.3 | 10.2 | 10.2 | 10.1 | 10.1 | 10.4 | 10.3 | 10.3 | 10.2 | 10.2 | 10.2 | | | | | | |
| 180 | 10.5 | 10.5 | 10.4 | 10.4 | 10.3 | 10.3 | 10.5 | 10.5 | 10.4 | 10.4 | 10.3 | 10.3 | | | | | | |

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