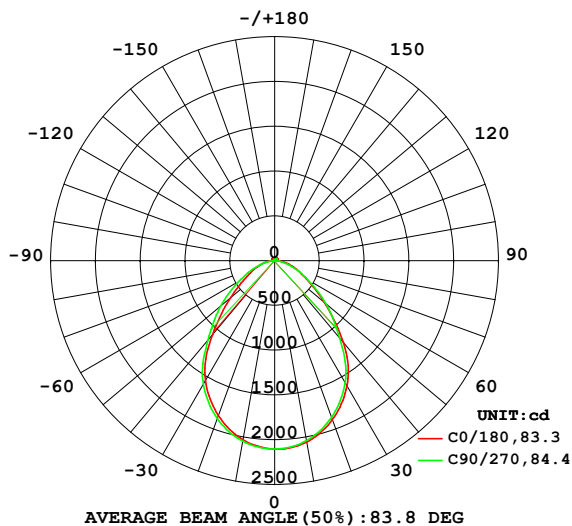


LUMINAIRE PHOTOMETRIC TEST REPORT

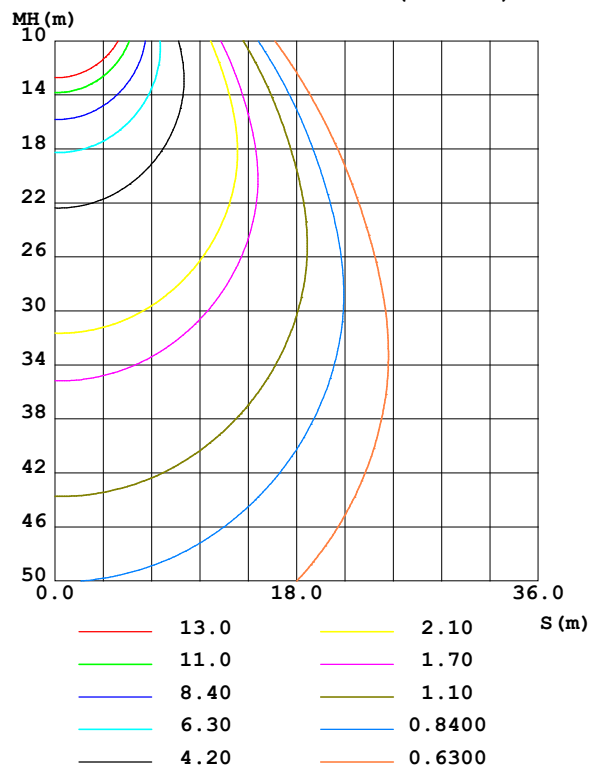
| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 142.42 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 2105 | S/MH(C0/180) | 1.12 |
| NOMINAL POWER(W) | 30.1 | LOR(%) | 100.0 | S/MH(C90/270) | 1.14 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 4288.0 | η UP,DN(C0-180) | 1.8,48.2 |
| NOMINAL FLUX(lm) | 4288.03 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.8,48.2 |
| LAMPS INSIDE | 1 | η up (%) | 3.6 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE(V) | 230 | η down (%) | 96.4 | CIBSE SHR MAX | 1.15 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [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 |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------|
| 10 | 2058 | 2049 | 2042 | 2040 | 2033 | 2039 | 2048 | 2054 | 0- 10 | 198.0 | 198.0 | 4.62 |
| 20 | 1888 | 1873 | 1861 | 1851 | 1840 | 1855 | 1875 | 1883 | 10- 20 | 554.2 | 752.2 | 17.5 |
| 30 | 1616 | 1591 | 1574 | 1562 | 1548 | 1562 | 1594 | 1603 | 20- 30 | 797.8 | 1550 | 36.1 |
| 40 | 1197 | 1146 | 1130 | 1115 | 1082 | 1114 | 1160 | 1175 | 30- 40 | 858.5 | 2409 | 56.2 |
| 50 | 724.1 | 706.5 | 747.1 | 726.9 | 641.0 | 684.7 | 785.3 | 773.4 | 40- 50 | 707.4 | 3116 | 72.7 |
| 60 | 411.7 | 391.5 | 425.9 | 422.7 | 361.5 | 380.6 | 456.3 | 451.2 | 50- 60 | 496.9 | 3613 | 84.3 |
| 70 | 238.7 | 222.9 | 215.1 | 228.7 | 211.2 | 214.3 | 235.2 | 244.7 | 60- 70 | 308.5 | 3921 | 91.5 |
| 80 | 111.5 | 92.38 | 72.04 | 87.77 | 93.02 | 86.93 | 81.28 | 100.3 | 70- 80 | 163.6 | 4085 | 95.3 |
| 90 | 32.01 | 17.89 | 2.951 | 24.14 | 33.69 | 20.10 | 2.506 | 21.54 | 80- 90 | 50.06 | 4135 | 96.4 |
| 100 | 28.14 | 18.08 | 5.296 | 24.53 | 32.62 | 20.64 | 4.691 | 20.71 | 90-100 | 20.59 | 4156 | 96.9 |
| 110 | 29.20 | 20.23 | 8.735 | 26.30 | 33.31 | 22.52 | 7.928 | 22.36 | 100-110 | 21.71 | 4177 | 97.4 |
| 120 | 30.28 | 22.69 | 12.61 | 27.46 | 33.04 | 24.26 | 11.48 | 23.51 | 110-120 | 22.31 | 4200 | 97.9 |
| 130 | 32.13 | 25.74 | 17.20 | 30.02 | 35.11 | 26.67 | 15.69 | 26.52 | 120-130 | 22.24 | 4222 | 98.5 |
| 140 | 33.73 | 27.73 | 21.74 | 31.62 | 35.53 | 28.67 | 19.86 | 28.57 | 130-140 | 21.21 | 4243 | 99 |
| 150 | 34.33 | 28.58 | 26.16 | 32.58 | 35.19 | 30.16 | 24.27 | 29.11 | 140-150 | 18.35 | 4262 | 99.4 |
| 160 | 34.36 | 30.19 | 30.53 | 33.00 | 34.26 | 30.93 | 29.03 | 30.48 | 150-160 | 14.22 | 4276 | 99.7 |
| 170 | 33.47 | 32.01 | 33.60 | 33.29 | 33.04 | 32.99 | 32.93 | 31.20 | 160-170 | 9.090 | 4285 | 99.9 |
| 180 | 34.82 | 34.49 | 34.66 | 34.35 | 34.77 | 34.53 | 34.67 | 34.35 | 170-180 | 3.193 | 4288 | 100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 2786.7 lm

%lum = 65.0%

%lamp = 65.0%

Conical surface Flux(120deg): 3612.9 lm

%lum = 84.3%

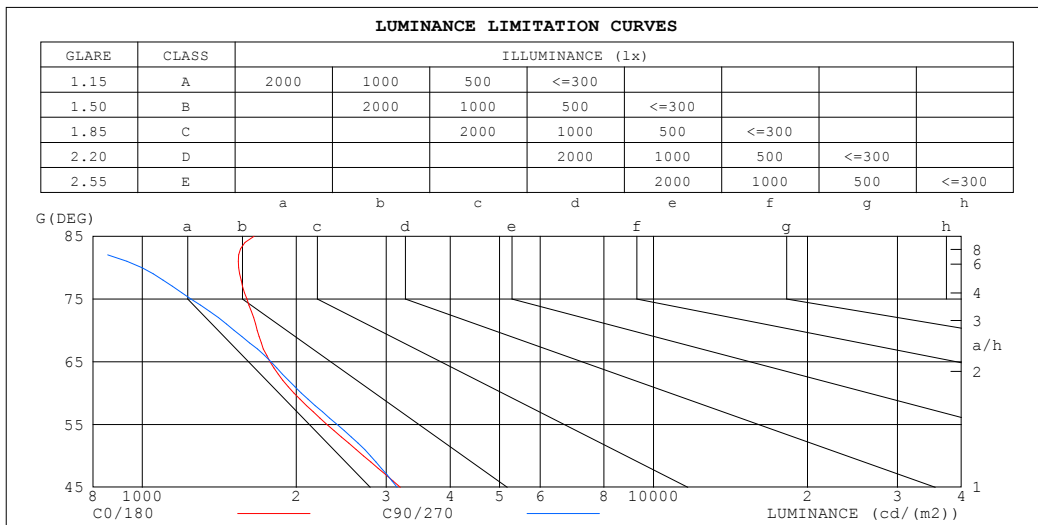
%lamp = 84.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2025-04-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1653 | 590 |
| 80 | 1544 | 998 |
| 75 | 1601 | 1245 |
| 70 | 1678 | 1512 |
| 65 | 1777 | 1785 |
| 60 | 1980 | 2048 |
| 55 | 2296 | 2404 |
| 50 | 2709 | 2795 |
| 45 | 3194 | 3149 |

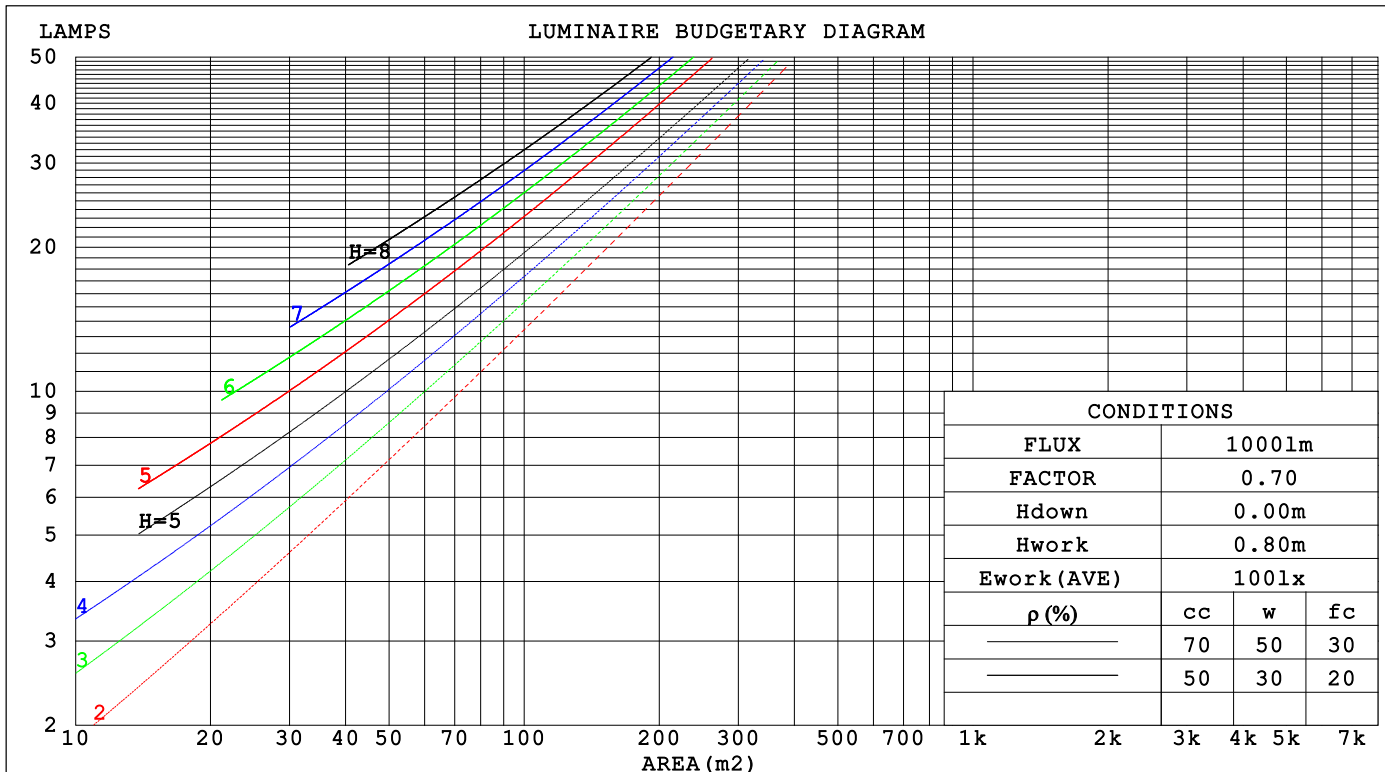
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | 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 | | | | | | | | | | | | | | | | Coefficients of Utilization(CU) | | | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .96 | | | | | | | | | | | | |
| 1.0 | 1.05 | 1.02 | .98 | 1.03 | .99 | .96 | .98 | .95 | .93 | .94 | .91 | .89 | .89 | .88 | .86 | .84 | | | | | | | | | | | | |
| 2.0 | .94 | .88 | .83 | .92 | .86 | .82 | .88 | .83 | .79 | .84 | .80 | .77 | .80 | .77 | .75 | .73 | | | | | | | | | | | | |
| 3.0 | .84 | .77 | .71 | .82 | .75 | .70 | .79 | .73 | .68 | .76 | .71 | .67 | .73 | .69 | .65 | .63 | | | | | | | | | | | | |
| 4.0 | .75 | .68 | .62 | .74 | .67 | .61 | .71 | .65 | .60 | .68 | .63 | .59 | .66 | .61 | .58 | .56 | | | | | | | | | | | | |
| 5.0 | .68 | .60 | .54 | .67 | .59 | .54 | .65 | .58 | .53 | .62 | .57 | .52 | .60 | .55 | .51 | .49 | | | | | | | | | | | | |
| 6.0 | .62 | .54 | .48 | .61 | .53 | .48 | .59 | .52 | .47 | .57 | .51 | .47 | .55 | .50 | .46 | .44 | | | | | | | | | | | | |
| 7.0 | .57 | .49 | .43 | .56 | .48 | .43 | .54 | .47 | .42 | .52 | .46 | .42 | .51 | .46 | .41 | .40 | | | | | | | | | | | | |
| 8.0 | .52 | .44 | .39 | .52 | .44 | .39 | .50 | .43 | .38 | .48 | .42 | .38 | .47 | .42 | .38 | .36 | | | | | | | | | | | | |
| 9.0 | .48 | .41 | .36 | .48 | .40 | .35 | .46 | .40 | .35 | .45 | .39 | .35 | .44 | .38 | .34 | .33 | | | | | | | | | | | | |
| 10.0 | .45 | .37 | .33 | .44 | .37 | .32 | .43 | .37 | .32 | .42 | .36 | .32 | .41 | .35 | .32 | .30 | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | 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 | .265 | .151 | .048 | .257 | .146 | .047 | .242 | .139 | .044 | .228 | .131 | .042 | .215 | .125 | .040 | | |
| 2.0 | .252 | .138 | .042 | .244 | .135 | .041 | .231 | .129 | .040 | .219 | .123 | .038 | .208 | .118 | .037 | | |
| 3.0 | .236 | .125 | .038 | .229 | .123 | .037 | .218 | .118 | .036 | .207 | .113 | .035 | .197 | .109 | .034 | | |
| 4.0 | .220 | .114 | .034 | .214 | .112 | .033 | .204 | .108 | .032 | .194 | .104 | .031 | .185 | .101 | .031 | | |
| 5.0 | .206 | .105 | .030 | .201 | .103 | .030 | .191 | .100 | .029 | .183 | .096 | .029 | .175 | .093 | .028 | | |
| 6.0 | .192 | .096 | .028 | .188 | .095 | .027 | .180 | .092 | .027 | .172 | .089 | .026 | .165 | .087 | .026 | | |
| 7.0 | .181 | .089 | .025 | .177 | .088 | .025 | .169 | .086 | .025 | .162 | .083 | .024 | .156 | .081 | .024 | | |
| 8.0 | .170 | .083 | .023 | .166 | .082 | .023 | .160 | .080 | .023 | .153 | .078 | .022 | .147 | .076 | .022 | | |
| 9.0 | .160 | .078 | .022 | .157 | .077 | .021 | .151 | .075 | .021 | .145 | .073 | .021 | .140 | .071 | .021 | | |
| 10.0 | .152 | .073 | .020 | .149 | .072 | .020 | .143 | .070 | .020 | .138 | .068 | .019 | .133 | .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 | .218 | .218 | .218 | .186 | .186 | .186 | .127 | .127 | .127 | .073 | .073 | .073 | .023 | .023 | .023 | | |
| 1.0 | .205 | .184 | .165 | .175 | .158 | .142 | .120 | .109 | .098 | .069 | .063 | .057 | .022 | .020 | .019 | | |
| 2.0 | .194 | .160 | .130 | .167 | .137 | .113 | .114 | .095 | .079 | .066 | .055 | .046 | .021 | .018 | .015 | | |
| 3.0 | .186 | .142 | .107 | .159 | .122 | .093 | .109 | .085 | .065 | .063 | .050 | .038 | .020 | .016 | .013 | | |
| 4.0 | .178 | .128 | .091 | .152 | .111 | .079 | .105 | .077 | .055 | .061 | .045 | .033 | .019 | .015 | .011 | | |
| 5.0 | .170 | .118 | .079 | .146 | .102 | .069 | .101 | .071 | .048 | .058 | .042 | .029 | .019 | .014 | .009 | | |
| 6.0 | .163 | .109 | .070 | .140 | .094 | .061 | .097 | .066 | .043 | .056 | .039 | .026 | .018 | .013 | .008 | | |
| 7.0 | .157 | .102 | .064 | .135 | .088 | .056 | .093 | .062 | .039 | .054 | .037 | .023 | .017 | .012 | .008 | | |
| 8.0 | .151 | .096 | .059 | .130 | .083 | .051 | .090 | .059 | .036 | .052 | .035 | .022 | .017 | .011 | .007 | | |
| 9.0 | .145 | .091 | .055 | .125 | .079 | .048 | .087 | .056 | .034 | .050 | .033 | .020 | .016 | .011 | .007 | | |
| 10.0 | .140 | .087 | .052 | .120 | .076 | .045 | .084 | .053 | .032 | .049 | .031 | .019 | .016 | .010 | .006 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|---------------|---------------|----------------|------------------|------|------|------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | | | | | | | | | | |
| NAME: LED615-W34KA (4000K 33W) | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: 0.41588 | | | SERIAL No.: | | | |
| MFR.: | | | | | 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 | 15.3 | 16.6 | 15.6 | 16.8 | 17.1 | 14.8 | 16.1 | 15.1 | 16.3 | 16.6 | |
| | 3H | 16.2 | 17.4 | 16.5 | 17.7 | 18.0 | 15.6 | 16.8 | 15.9 | 17.1 | 17.4 |
| | 4H | 16.6 | 17.7 | 16.9 | 18.0 | 18.3 | 15.9 | 17.0 | 16.2 | 17.3 | 17.6 |
| | 6H | 16.9 | 18.0 | 17.3 | 18.3 | 18.6 | 16.0 | 17.1 | 16.4 | 17.4 | 17.8 |
| | 8H | 17.0 | 18.0 | 17.4 | 18.4 | 18.7 | 16.1 | 17.1 | 16.5 | 17.4 | 17.8 |
| | 12H | 17.1 | 18.1 | 17.5 | 18.5 | 18.8 | 16.1 | 17.0 | 16.5 | 17.4 | 17.8 |
| 4H 2H | 15.5 | 16.7 | 15.9 | 17.0 | 17.3 | 15.1 | 16.2 | 15.4 | 16.5 | 16.8 | |
| | 3H | 16.7 | 17.6 | 17.0 | 18.0 | 18.4 | 16.1 | 17.1 | 16.5 | 17.4 | 17.8 |
| | 4H | 17.2 | 18.1 | 17.6 | 18.5 | 18.9 | 16.5 | 17.4 | 16.9 | 17.8 | 18.2 |
| | 6H | 17.6 | 18.4 | 18.1 | 18.8 | 19.3 | 16.8 | 17.6 | 17.2 | 18.0 | 18.4 |
| | 8H | 17.8 | 18.6 | 18.3 | 19.0 | 19.4 | 16.9 | 17.6 | 17.3 | 18.0 | 18.5 |
| | 12H | 18.0 | 18.7 | 18.5 | 19.1 | 19.6 | 16.9 | 17.5 | 17.3 | 18.0 | 18.5 |
| 8H 4H | 17.3 | 18.0 | 17.8 | 18.5 | 18.9 | 16.7 | 17.4 | 17.2 | 17.9 | 18.3 | |
| | 6H | 17.9 | 18.5 | 18.4 | 19.0 | 19.5 | 17.1 | 17.7 | 17.6 | 18.2 | 18.7 |
| | 8H | 18.2 | 18.7 | 18.7 | 19.2 | 19.7 | 17.2 | 17.7 | 17.7 | 18.2 | 18.7 |
| | 12H | 18.4 | 18.9 | 18.9 | 19.4 | 19.9 | 17.2 | 17.7 | 17.8 | 18.2 | 18.8 |
| 12H 4H | 17.3 | 18.0 | 17.8 | 18.4 | 18.9 | 16.7 | 17.4 | 17.2 | 17.8 | 18.3 | |
| | 6H | 17.9 | 18.4 | 18.4 | 18.9 | 19.4 | 17.1 | 17.7 | 17.6 | 18.1 | 18.7 |
| | 8H | 18.2 | 18.7 | 18.7 | 19.2 | 19.7 | 17.3 | 17.7 | 17.8 | 18.2 | 18.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 0.3 / - 0.5 | | | | | + 0.4 / - 0.5 | | | | | |
| 1.5H | + 0.1 / - 0.4 | | | | | + 0.2 / - 0.2 | | | | | |
| 2.0H | + 0.6 / - 0.7 | | | | | + 0.8 / - 0.8 | | | | | |

CIE Pub.117, 4288 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.1)
Area: 0.41588 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

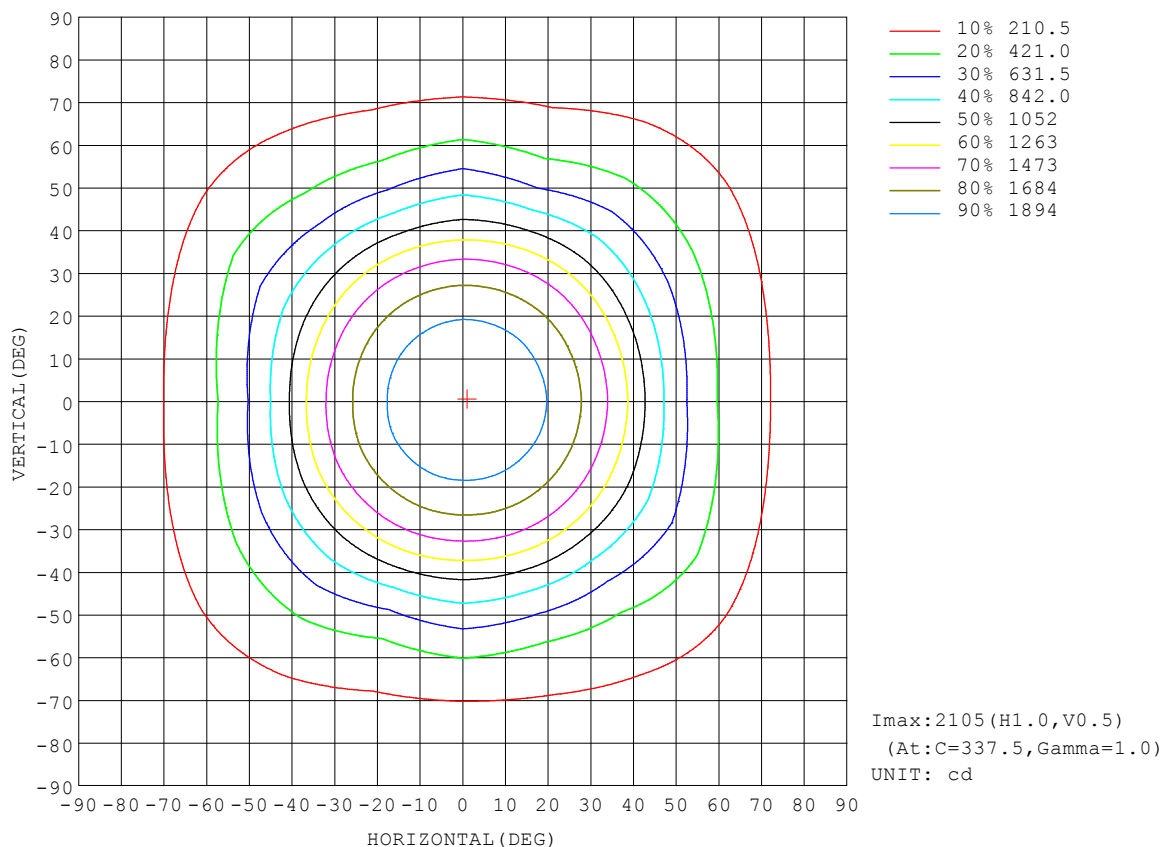
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 54 | 48 | 63 | 54 | 48 | 62 | 53 | 47 | 42 |
| 0.80 | 74 | 64 | 57 | 73 | 63 | 57 | 71 | 62 | 57 | 50 |
| 1.00 | 82 | 72 | 66 | 80 | 71 | 65 | 78 | 72 | 65 | 58 |
| 1.25 | 88 | 79 | 73 | 86 | 78 | 72 | 84 | 77 | 71 | 65 |
| 1.50 | 92 | 84 | 78 | 91 | 83 | 77 | 87 | 81 | 76 | 69 |
| 2.00 | 98 | 91 | 85 | 96 | 90 | 84 | 93 | 87 | 83 | 75 |
| 2.50 | 101 | 95 | 90 | 99 | 93 | 89 | 95 | 90 | 86 | 78 |
| 3.00 | 104 | 98 | 94 | 102 | 97 | 92 | 98 | 93 | 90 | 81 |
| 4.00 | 108 | 103 | 99 | 105 | 101 | 97 | 100 | 97 | 94 | 85 |
| 5.00 | 110 | 105 | 102 | 107 | 103 | 100 | 102 | 99 | 96 | 87 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

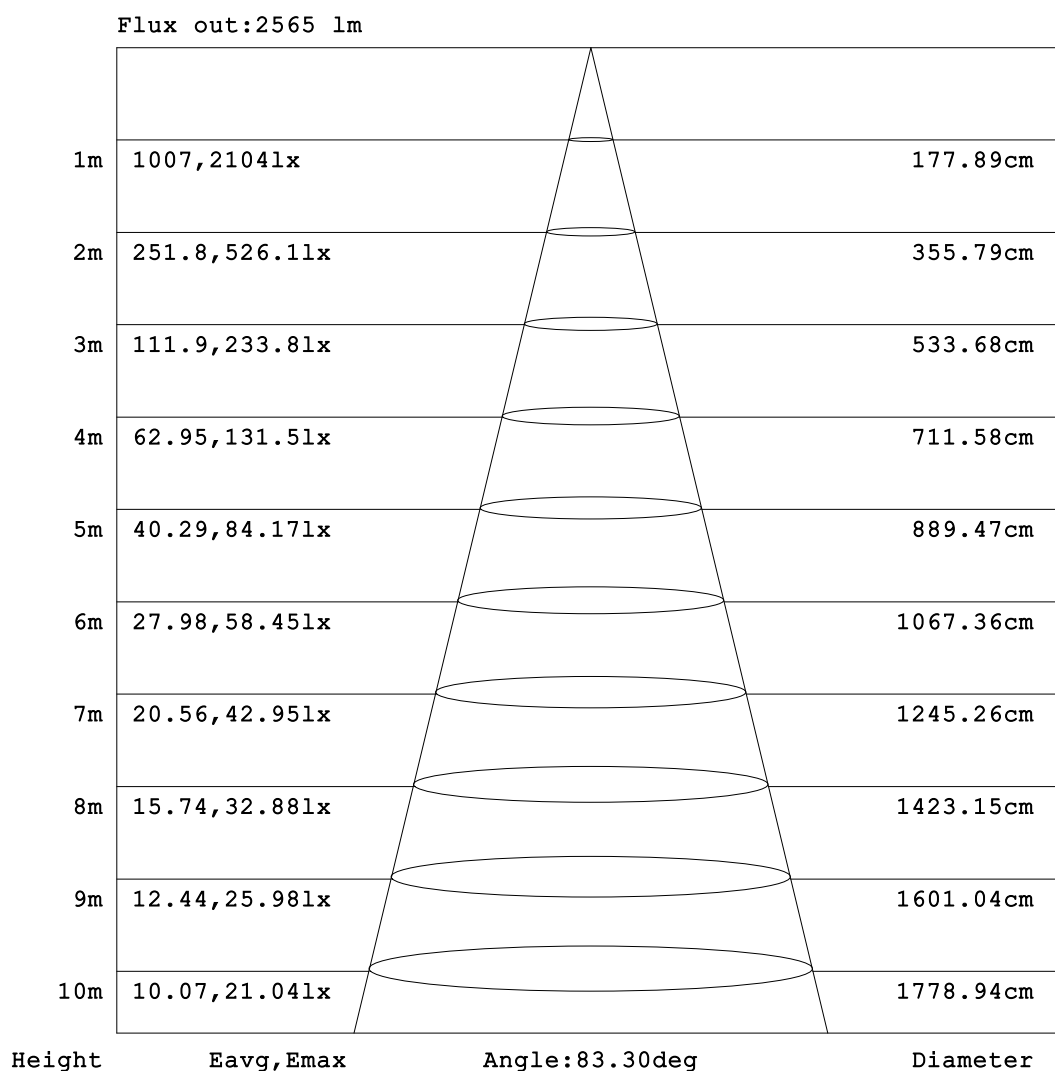


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



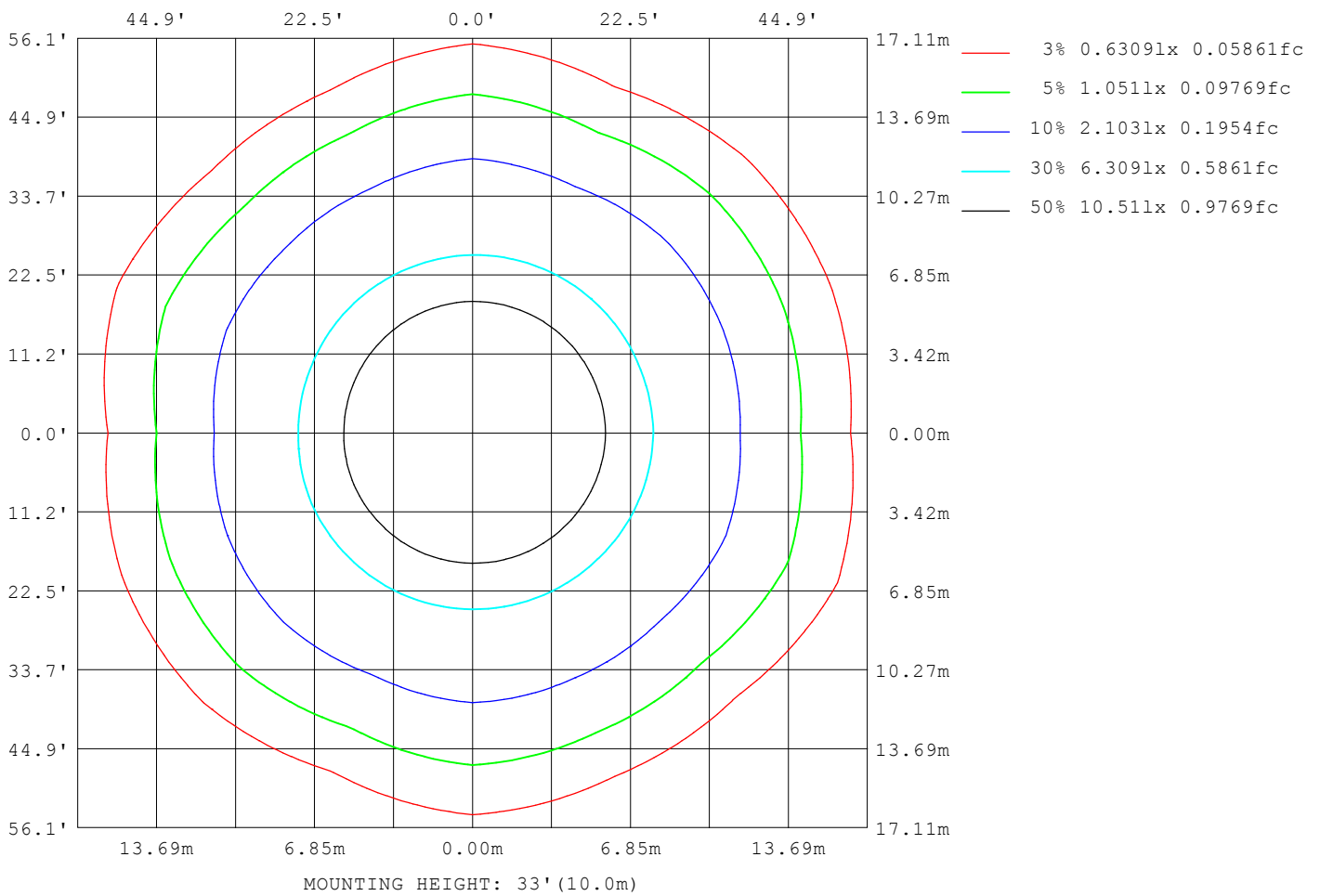
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|---------------|------------------|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | |
| NAME: LED615-W34KA (4000K 33W) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.41588 | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

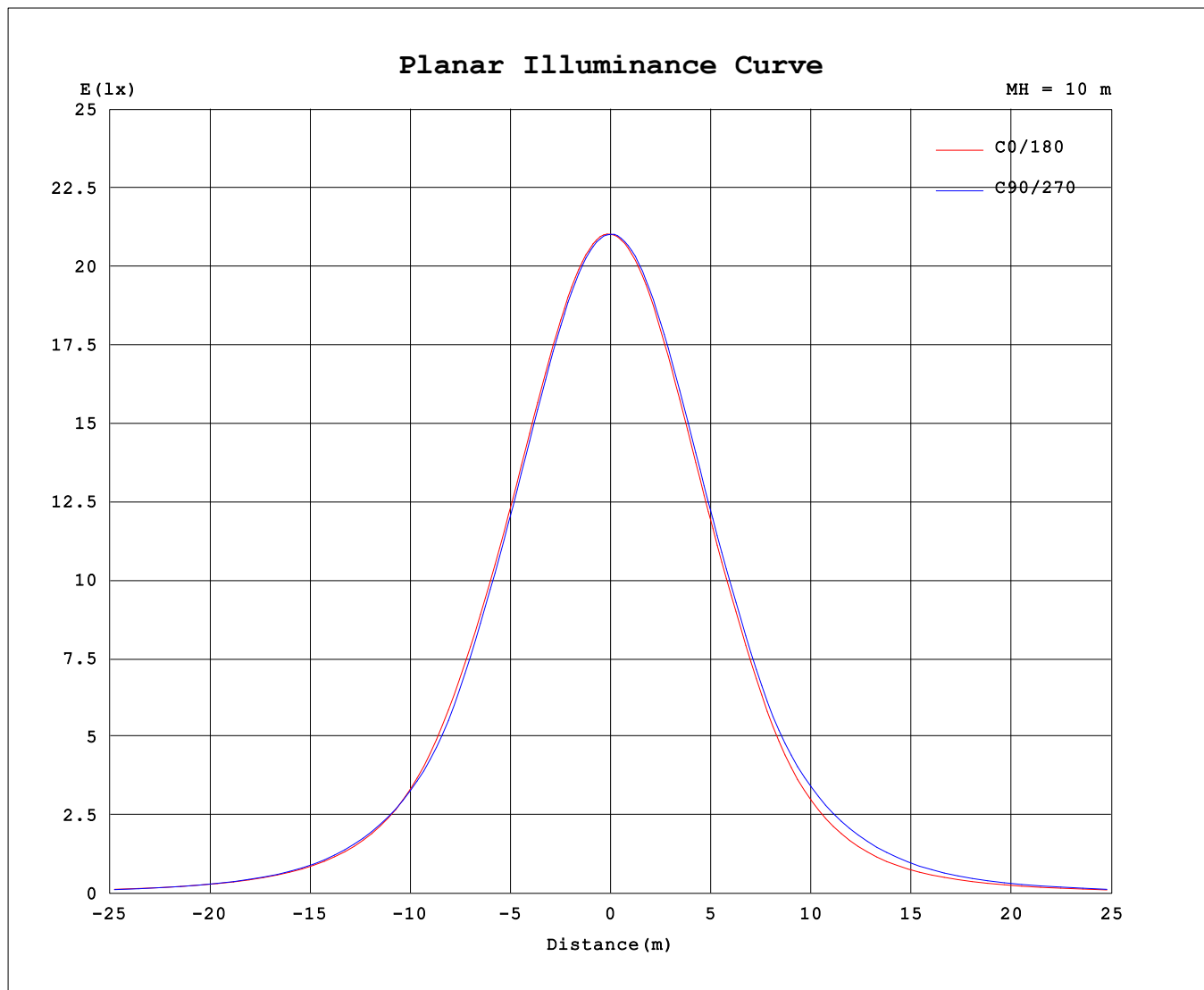
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 1677 |
| L_0~180 (75) av | 1498 |
| L_0~180 (85) av | 1521 |
| L_90~270 (65) av | 1846 |
| L_90~270 (75) av | 1304 |
| L_90~270 (85) av | 660 |
| L_45 (65) av | 1749 |
| L_45 (75) av | 1449 |
| L_45 (85) av | 1170 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-04-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|------------------|--|--|
| Test:U:230.74V I:0.1339A P:30.108W PF:0.9742 Freq:50.00Hz Lamp Flux:4288.03x1 lm | | | | | | | | | | | | | | | | | |
| NAME: LED615-W34KA (4000K 33W) | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: 0.41588 | | | | | | SERIAL No.: | | |
| MFR.: | | | | | | | | | SUR.: | | | | | | Shielding Angle: | | |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 2103 | 2103 | 2103 | 2103 | 2103 | 2103 | 2103 | 2104 | 2103 | 2103 | 2103 | 2103 | 2103 | 2103 | 2103 | 2104 | | | |
| 5 | 2097 | 2095 | 2092 | 2089 | 2087 | 2087 | 2086 | 2086 | 2082 | 2083 | 2085 | 2088 | 2090 | 2093 | 2094 | 2094 | | | |
| 10 | 2058 | 2053 | 2049 | 2045 | 2042 | 2040 | 2040 | 2039 | 2033 | 2034 | 2039 | 2043 | 2048 | 2050 | 2054 | 2054 | | | |
| 15 | 1987 | 1983 | 1975 | 1970 | 1966 | 1964 | 1960 | 1957 | 1949 | 1954 | 1962 | 1967 | 1978 | 1979 | 1983 | 1982 | | | |
| 20 | 1888 | 1883 | 1873 | 1867 | 1861 | 1857 | 1851 | 1850 | 1840 | 1844 | 1855 | 1864 | 1875 | 1878 | 1883 | 1882 | | | |
| 25 | 1765 | 1756 | 1746 | 1739 | 1732 | 1727 | 1720 | 1718 | 1707 | 1711 | 1723 | 1736 | 1748 | 1751 | 1757 | 1757 | | | |
| 30 | 1616 | 1604 | 1591 | 1584 | 1574 | 1570 | 1562 | 1560 | 1548 | 1550 | 1562 | 1578 | 1594 | 1597 | 1603 | 1605 | | | |
| 35 | 1433 | 1415 | 1396 | 1386 | 1375 | 1372 | 1362 | 1365 | 1344 | 1345 | 1362 | 1377 | 1397 | 1407 | 1414 | 1418 | | | |
| 40 | 1197 | 1178 | 1146 | 1133 | 1130 | 1117 | 1115 | 1111 | 1082 | 1098 | 1114 | 1128 | 1160 | 1162 | 1175 | 1177 | | | |
| 45 | 939 | 955 | 908 | 904 | 926 | 882 | 906 | 890 | 842 | 891 | 886 | 899 | 963 | 933 | 956 | 943 | | | |
| 50 | 724 | 779 | 707 | 706 | 747 | 671 | 727 | 710 | 641 | 722 | 685 | 699 | 785 | 716 | 773 | 757 | | | |
| 55 | 548 | 625 | 528 | 523 | 573 | 494 | 563 | 544 | 479 | 571 | 509 | 520 | 614 | 532 | 603 | 594 | | | |
| 60 | 412 | 482 | 392 | 384 | 426 | 366 | 423 | 416 | 361 | 438 | 381 | 382 | 456 | 394 | 451 | 449 | | | |
| 65 | 312 | 356 | 295 | 285 | 314 | 270 | 313 | 315 | 277 | 324 | 288 | 283 | 335 | 292 | 334 | 338 | | | |
| 70 | 239 | 252 | 223 | 213 | 215 | 203 | 229 | 233 | 211 | 227 | 214 | 208 | 235 | 214 | 245 | 253 | | | |
| 75 | 172 | 170 | 155 | 145 | 134 | 137 | 152 | 160 | 150 | 152 | 149 | 144 | 147 | 146 | 168 | 177 | | | |
| 80 | 111 | 107 | 92.4 | 80.0 | 72.0 | 77.2 | 87.8 | 95.9 | 93.0 | 93.2 | 86.9 | 80.2 | 81.3 | 85.0 | 100 | 109 | | | |
| 85 | 59.9 | 54.5 | 41.4 | 28.5 | 21.4 | 29.7 | 41.6 | 50.7 | 50.3 | 47.9 | 39.1 | 28.8 | 26.5 | 33.7 | 47.5 | 55.9 | | | |
| 90 | 32.0 | 27.5 | 17.9 | 7.31 | 2.95 | 12.4 | 24.1 | 32.3 | 33.7 | 29.7 | 20.1 | 8.21 | 2.51 | 10.6 | 21.5 | 29.2 | | | |
| 95 | 27.5 | 24.2 | 16.9 | 8.29 | 3.96 | 13.2 | 23.8 | 31.0 | 32.4 | 28.6 | 19.9 | 8.82 | 3.44 | 10.8 | 19.7 | 25.7 | | | |
| 100 | 28.1 | 25.1 | 18.1 | 9.72 | 5.30 | 14.4 | 24.5 | 31.4 | 32.6 | 29.0 | 20.6 | 10.1 | 4.69 | 12.1 | 20.7 | 26.4 | | | |
| 105 | 28.6 | 25.8 | 19.2 | 11.3 | 6.86 | 15.9 | 25.4 | 31.9 | 32.9 | 29.4 | 21.5 | 11.5 | 6.21 | 13.4 | 21.5 | 26.9 | | | |
| 110 | 29.2 | 26.6 | 20.2 | 13.1 | 8.74 | 17.4 | 26.3 | 32.4 | 33.3 | 29.9 | 22.5 | 13.1 | 7.93 | 14.9 | 22.4 | 27.4 | | | |
| 115 | 29.9 | 27.4 | 20.9 | 15.0 | 10.7 | 18.9 | 26.2 | 33.0 | 33.7 | 30.2 | 22.9 | 14.8 | 9.61 | 16.4 | 22.4 | 28.0 | | | |
| 120 | 30.3 | 27.4 | 22.7 | 16.8 | 12.6 | 20.2 | 27.5 | 32.5 | 33.0 | 30.0 | 24.3 | 16.2 | 11.5 | 17.9 | 23.5 | 27.9 | | | |
| 125 | 30.8 | 28.6 | 24.2 | 18.5 | 14.9 | 21.8 | 29.0 | 33.5 | 33.9 | 31.1 | 25.5 | 17.9 | 13.6 | 19.6 | 25.2 | 28.9 | | | |
| 130 | 32.1 | 30.0 | 25.7 | 20.1 | 17.2 | 23.4 | 30.0 | 34.6 | 35.1 | 32.0 | 26.7 | 19.6 | 15.7 | 21.1 | 26.5 | 30.2 | | | |
| 135 | 33.1 | 31.1 | 26.9 | 21.5 | 19.5 | 24.9 | 30.9 | 35.2 | 35.5 | 32.7 | 27.7 | 21.3 | 17.7 | 22.2 | 27.7 | 31.1 | | | |
| 140 | 33.7 | 31.9 | 27.7 | 23.0 | 21.7 | 26.2 | 31.6 | 35.4 | 35.5 | 33.1 | 28.7 | 23.0 | 19.9 | 23.4 | 28.6 | 31.8 | | | |
| 145 | 34.1 | 32.6 | 27.8 | 24.3 | 23.9 | 27.5 | 32.2 | 35.4 | 35.4 | 33.4 | 29.5 | 23.9 | 21.9 | 24.5 | 29.4 | 32.4 | | | |
| 150 | 34.3 | 33.0 | 28.6 | 25.3 | 26.2 | 28.6 | 32.6 | 35.4 | 35.2 | 33.5 | 30.2 | 25.6 | 24.3 | 25.6 | 29.1 | 32.8 | | | |
| 155 | 34.4 | 33.3 | 29.2 | 27.1 | 28.4 | 28.9 | 32.8 | 35.1 | 34.8 | 33.5 | 30.8 | 27.5 | 26.7 | 26.8 | 29.7 | 33.2 | | | |
| 160 | 34.4 | 32.7 | 30.2 | 29.2 | 30.5 | 30.6 | 33.0 | 34.8 | 34.3 | 33.4 | 30.9 | 29.5 | 29.0 | 28.1 | 30.5 | 33.6 | | | |
| 165 | 34.4 | 32.4 | 30.5 | 31.2 | 32.2 | 32.1 | 32.3 | 34.3 | 33.8 | 32.9 | 31.6 | 31.5 | 31.1 | 30.1 | 30.3 | 33.8 | | | |
| 170 | 33.5 | 31.7 | 32.0 | 32.9 | 33.6 | 33.6 | 33.3 | 33.4 | 33.0 | 32.9 | 33.0 | 33.1 | 32.9 | 32.1 | 31.2 | 31.7 | | | |
| 175 | 34.1 | 32.8 | 33.6 | 34.3 | 34.4 | 34.4 | 34.3 | 34.0 | 33.7 | 34.0 | 34.1 | 34.1 | 34.2 | 33.9 | 33.3 | 32.4 | | | |
| 180 | 34.8 | 34.0 | 34.5 | 34.6 | 34.7 | 34.6 | 34.4 | 33.6 | 34.8 | 34.0 | 34.5 | 34.6 | 34.7 | 34.6 | 34.3 | 33.5 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-04-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks: