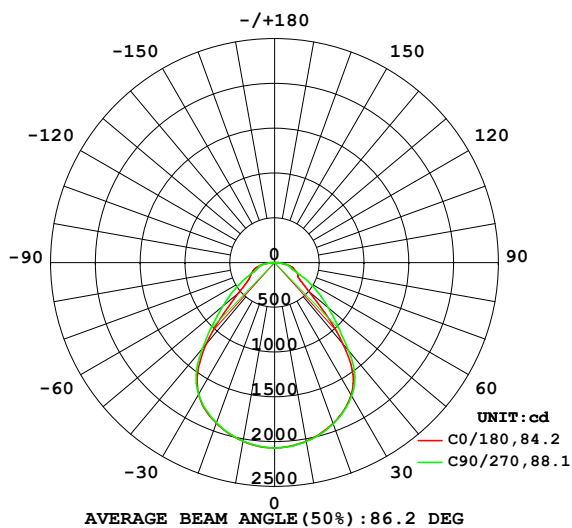


LUMINAIRE PHOTOMETRIC TEST REPORT

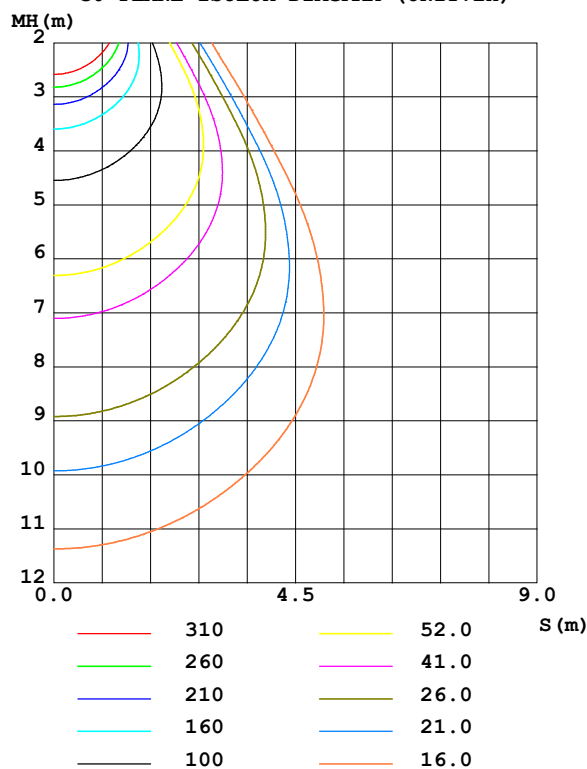
| | | |
|--|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/Type:40W 36W WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 117.76 lm/W |
|------------------|-------------|------------------|--------|------------------------|----------|------------------|
| MODEL | 70002000300 | Imax (cd) | 2070 | S/MH(C0/180) | 1.20 | |
| NOMINAL POWER(W) | 36 | LOR(%) | 100.0 | S/MH(C90/270) | 1.24 | |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 4228.5 | η UP,DN(C0-180) | 0.0,49.9 | |
| NOMINAL FLUX(lm) | 4228.52 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.1 | |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE(V) | 230 | η down (%) | 100.0 | CIBSE SHR MAX | 1.30 | |

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:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [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 | 2027 | 2025 | 2024 | 2024 | 2025 | 2028 | 2030 | 2029 | 0- 10 | 195.5 | 195.5 | 4.62,4.62 |
| 20 | 1908 | 1902 | 1902 | 1905 | 1911 | 1914 | 1916 | 1913 | 10- 20 | 557.7 | 753.1 | 17.8,17.8 |
| 30 | 1698 | 1697 | 1699 | 1706 | 1707 | 1716 | 1720 | 1713 | 20- 30 | 838.3 | 1591 | 37.6,37.6 |
| 40 | 1193 | 1224 | 1257 | 1237 | 1194 | 1272 | 1289 | 1251 | 30- 40 | 943.1 | 2535 | 59.9,59.9 |
| 50 | 525.9 | 632.6 | 752.7 | 624.9 | 501.9 | 632.5 | 783.7 | 646.8 | 40- 50 | 703.1 | 3238 | 76.6,76.6 |
| 60 | 319.4 | 378.4 | 414.4 | 379.2 | 303.0 | 369.2 | 451.8 | 375.0 | 50- 60 | 430.9 | 3669 | 86.8,86.8 |
| 70 | 250.4 | 242.1 | 206.3 | 235.6 | 235.5 | 246.5 | 203.3 | 231.7 | 60- 70 | 293.1 | 3962 | 93.7,93.7 |
| 80 | 138.6 | 134.9 | 127.4 | 131.0 | 134.8 | 124.4 | 126.6 | 133.9 | 70- 80 | 194.6 | 4156 | 98.3,98.3 |
| 90 | 3.447 | 5.332 | 3.491 | 2.755 | 2.755 | 6.022 | 4.050 | 3.961 | 80- 90 | 72.26 | 4229 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 2929.6 lm

%lum = 69.3%

%lamp = 69.3%

Conical surface Flux(120deg): 3668.6 lm

%lum = 86.8%

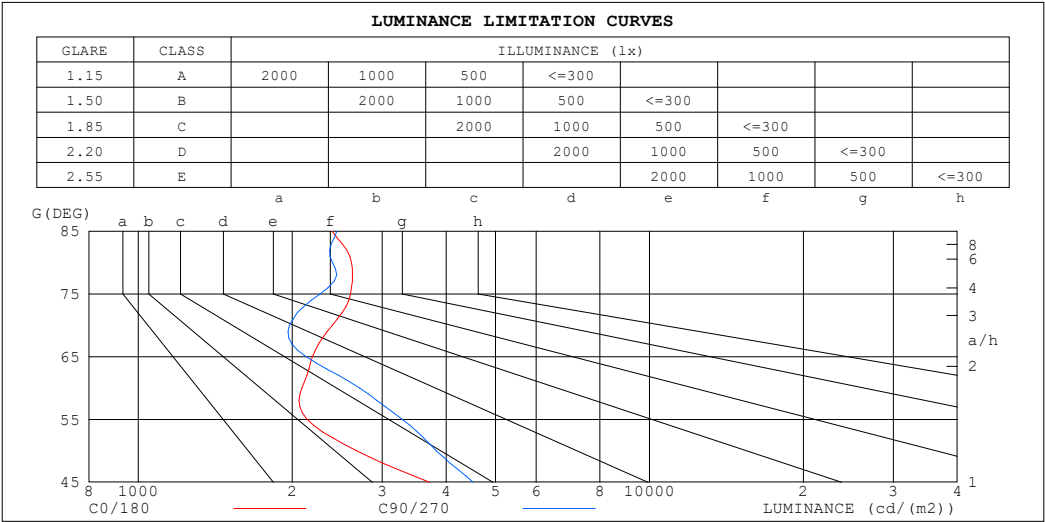
%lamp = 86.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:LiXiaoFei
 Test Date:2025-08-23

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:9.550m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex lgnis STP120 595x595mm UGR<19 20/25/30/35/40W 360T WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 2394 | 2445 |
| 80 | 2610 | 2399 |
| 75 | 2602 | 2266 |
| 70 | 2394 | 1973 |
| 65 | 2192 | 2130 |
| 60 | 2089 | 2710 |
| 55 | 2140 | 3287 |
| 50 | 2675 | 3829 |
| 45 | 3715 | 4520 |

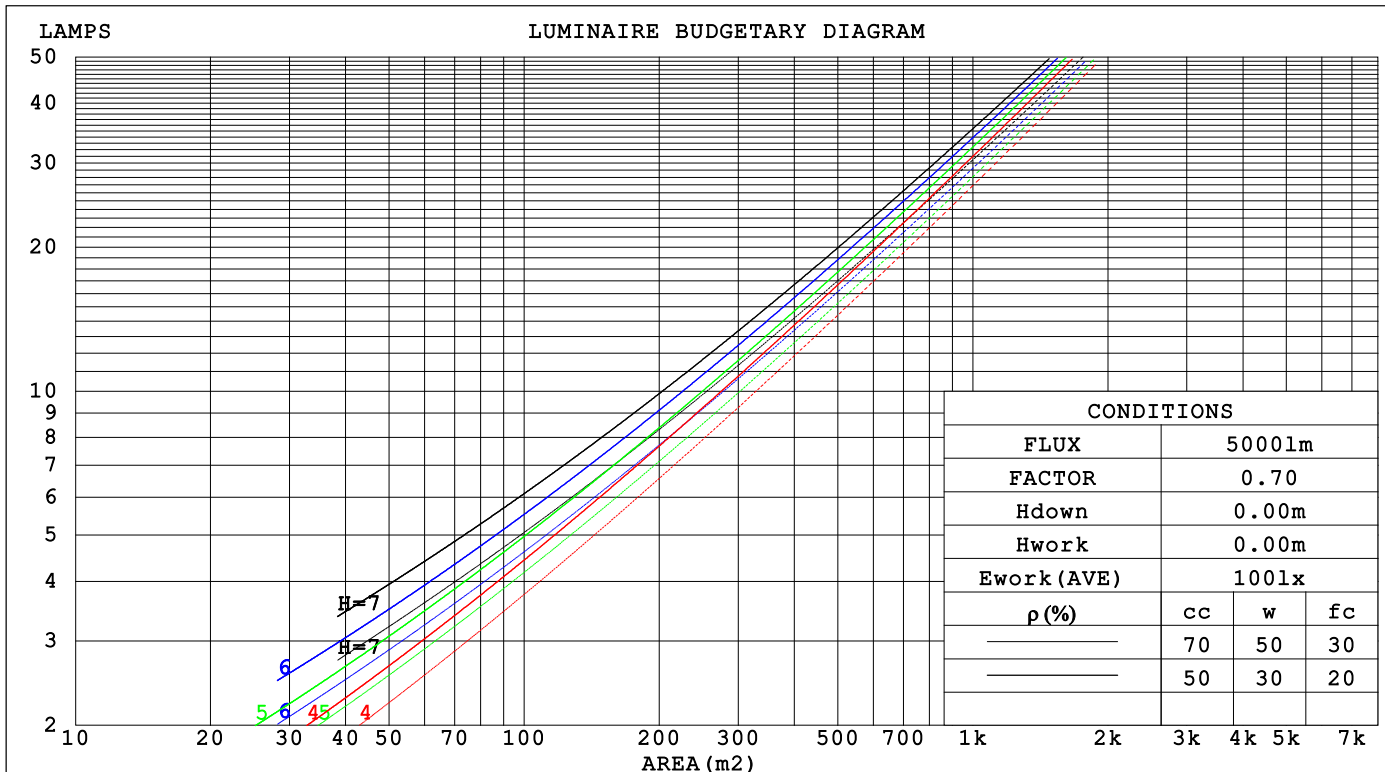
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex lgnis STP120 595x595mm UGR<19 20/25/30/35/40W 300T WH | | Weight: |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | 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 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.06 | 1.02 | .99 | 1.04 | 1.00 | .97 | .00 | .97 | .94 | .96 | .93 | .91 | .92 | .90 | .89 | .87 |
| 2.0 | .94 | .88 | .83 | .93 | .87 | .82 | .89 | .84 | .80 | .86 | .82 | .79 | .83 | .80 | .77 | .75 |
| 3.0 | .85 | .77 | .72 | .83 | .76 | .71 | .80 | .74 | .70 | .77 | .73 | .69 | .75 | .71 | .67 | .65 |
| 4.0 | .76 | .68 | .62 | .75 | .68 | .62 | .73 | .66 | .61 | .70 | .65 | .60 | .68 | .64 | .60 | .58 |
| 5.0 | .69 | .61 | .55 | .68 | .60 | .55 | .66 | .59 | .54 | .64 | .58 | .54 | .62 | .57 | .53 | .51 |
| 6.0 | .63 | .55 | .49 | .62 | .54 | .49 | .60 | .54 | .49 | .59 | .53 | .48 | .57 | .52 | .48 | .46 |
| 7.0 | .58 | .50 | .44 | .57 | .49 | .44 | .56 | .49 | .44 | .54 | .48 | .43 | .53 | .47 | .43 | .41 |
| 8.0 | .53 | .45 | .40 | .53 | .45 | .40 | .51 | .44 | .40 | .50 | .44 | .39 | .49 | .43 | .39 | .37 |
| 9.0 | .49 | .42 | .36 | .49 | .41 | .36 | .47 | .41 | .36 | .46 | .40 | .36 | .45 | .40 | .36 | .34 |
| 10.0 | .46 | .38 | .33 | .45 | .38 | .33 | .44 | .38 | .33 | .43 | .37 | .33 | .42 | .37 | .33 | .31 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/Type:40W 360T WH | | Weight: |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | 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 | .270 | .154 | .049 | .263 | .150 | .048 | .250 | .144 | .046 | .238 | .137 | .044 | .227 | .132 | .042 | | |
| 2.0 | .254 | .139 | .043 | .248 | .137 | .042 | .237 | .132 | .041 | .226 | .127 | .040 | .216 | .122 | .039 | | |
| 3.0 | .237 | .126 | .038 | .231 | .124 | .037 | .221 | .120 | .036 | .212 | .116 | .036 | .204 | .113 | .035 | | |
| 4.0 | .220 | .115 | .034 | .216 | .113 | .033 | .207 | .110 | .033 | .199 | .107 | .032 | .191 | .104 | .032 | | |
| 5.0 | .206 | .105 | .030 | .202 | .103 | .030 | .194 | .101 | .030 | .187 | .098 | .029 | .180 | .096 | .029 | | |
| 6.0 | .192 | .096 | .028 | .189 | .095 | .027 | .182 | .093 | .027 | .175 | .091 | .027 | .169 | .089 | .026 | | |
| 7.0 | .181 | .089 | .025 | .177 | .088 | .025 | .171 | .087 | .025 | .165 | .085 | .025 | .160 | .083 | .024 | | |
| 8.0 | .170 | .083 | .023 | .167 | .082 | .023 | .162 | .081 | .023 | .156 | .079 | .023 | .152 | .078 | .023 | | |
| 9.0 | .160 | .078 | .022 | .158 | .077 | .022 | .153 | .076 | .021 | .148 | .074 | .021 | .144 | .073 | .021 | | |
| 10.0 | .152 | .073 | .020 | .149 | .072 | .020 | .145 | .071 | .020 | .141 | .070 | .020 | .137 | .069 | .020 | | |

| 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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | | |
| 1.0 | .178 | .156 | .137 | .152 | .134 | .118 | .104 | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 | | |
| 2.0 | .167 | .132 | .103 | .143 | .114 | .089 | .098 | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 | | |
| 3.0 | .158 | .114 | .079 | .136 | .098 | .069 | .093 | .068 | .048 | .054 | .040 | .028 | .017 | .013 | .009 | | |
| 4.0 | .150 | .100 | .063 | .128 | .087 | .054 | .088 | .060 | .038 | .051 | .035 | .023 | .016 | .012 | .007 | | |
| 5.0 | .142 | .090 | .051 | .122 | .078 | .044 | .084 | .054 | .031 | .049 | .032 | .019 | .016 | .010 | .006 | | |
| 6.0 | .135 | .081 | .042 | .116 | .070 | .037 | .080 | .049 | .026 | .046 | .029 | .015 | .015 | .009 | .005 | | |
| 7.0 | .129 | .074 | .036 | .111 | .064 | .031 | .076 | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 | | |
| 8.0 | .122 | .068 | .031 | .105 | .059 | .027 | .073 | .041 | .019 | .042 | .024 | .011 | .014 | .008 | .004 | | |
| 9.0 | .117 | .063 | .027 | .101 | .055 | .023 | .070 | .038 | .017 | .041 | .023 | .010 | .013 | .007 | .003 | | |
| 10.0 | .112 | .059 | .024 | .096 | .051 | .021 | .067 | .036 | .015 | .039 | .021 | .009 | .013 | .007 | .003 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|-------------------|----------------|------|--------------------------|------|------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | | | | | | | | | |
| NameAA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/Type:40W 300T WH | | | | | | | | Weight: | | |
| SPEC.: 4000K | | | | | DIM.: | | | Instrument No.: HUP-IES2 | | |
| MFR.: CALEX | | | | | SUR.: 0.553*0.553 | | | 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 | 15.6 | 17.0 | 15.9 | 17.2 | 17.4 | 15.7 | 17.1 | 16.0 | 17.3 | 17.4 |
| 3H | 16.6 | 17.9 | 16.9 | 18.1 | 18.3 | 16.7 | 17.9 | 17.0 | 18.1 | 18.4 |
| 4H | 17.3 | 18.5 | 17.6 | 18.7 | 18.9 | 17.2 | 18.4 | 17.5 | 18.6 | 18.9 |
| 6H | 17.9 | 19.0 | 18.2 | 19.3 | 19.5 | 17.8 | 18.9 | 18.1 | 19.2 | 19.4 |
| 8H | 18.1 | 19.2 | 18.5 | 19.5 | 19.8 | 18.0 | 19.1 | 18.3 | 19.3 | 19.6 |
| 12H | 18.3 | 19.3 | 18.6 | 19.6 | 19.9 | 18.1 | 19.2 | 18.5 | 19.5 | 19.8 |
| 4H 2H | 16.0 | 17.2 | 16.3 | 17.4 | 17.6 | 16.1 | 17.2 | 16.4 | 17.5 | 17.7 |
| 3H | 17.2 | 18.2 | 17.5 | 18.5 | 18.8 | 17.3 | 18.4 | 17.7 | 18.6 | 18.9 |
| 4H | 18.0 | 19.0 | 18.4 | 19.3 | 19.6 | 18.1 | 19.0 | 18.5 | 19.3 | 19.7 |
| 6H | 18.8 | 19.6 | 19.2 | 20.0 | 20.4 | 18.8 | 19.7 | 19.2 | 20.0 | 20.4 |
| 8H | 19.1 | 19.9 | 19.5 | 20.3 | 20.7 | 19.1 | 19.9 | 19.5 | 20.2 | 20.6 |
| 12H | 19.4 | 20.1 | 19.8 | 20.5 | 20.9 | 19.3 | 20.0 | 19.7 | 20.4 | 20.8 |
| 8H 4H | 18.3 | 19.1 | 18.7 | 19.5 | 19.8 | 18.4 | 19.2 | 18.8 | 19.5 | 19.9 |
| 6H | 19.3 | 20.0 | 19.8 | 20.4 | 20.8 | 19.3 | 20.0 | 19.8 | 20.4 | 20.8 |
| 8H | 19.8 | 20.3 | 20.2 | 20.7 | 21.2 | 19.7 | 20.3 | 20.2 | 20.7 | 21.1 |
| 12H | 20.1 | 20.6 | 20.6 | 21.0 | 21.5 | 20.0 | 20.5 | 20.5 | 21.0 | 21.4 |
| 12H 4H | 18.4 | 19.1 | 18.8 | 19.5 | 19.9 | 18.4 | 19.1 | 18.8 | 19.5 | 19.9 |
| 6H | 19.4 | 20.0 | 19.9 | 20.4 | 20.9 | 19.4 | 20.0 | 19.9 | 20.4 | 20.9 |
| 8H | 19.9 | 20.4 | 20.4 | 20.8 | 21.3 | 19.9 | 20.3 | 20.3 | 20.8 | 21.3 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.4 / - 0.5 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | + 0.3 / - 0.5 | | | | | + 0.3 / - 0.3 | | | | |
| 2.0H | + 0.7 / - 0.6 | | | | | + 0.6 / - 0.3 | | | | |

CIE Pub.117, 4229 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.0)
Area: 0.3058 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex lgnis STP120 595x595mm UGR<19 20/25/30/Type:40W 360T WH | | Weight: |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |

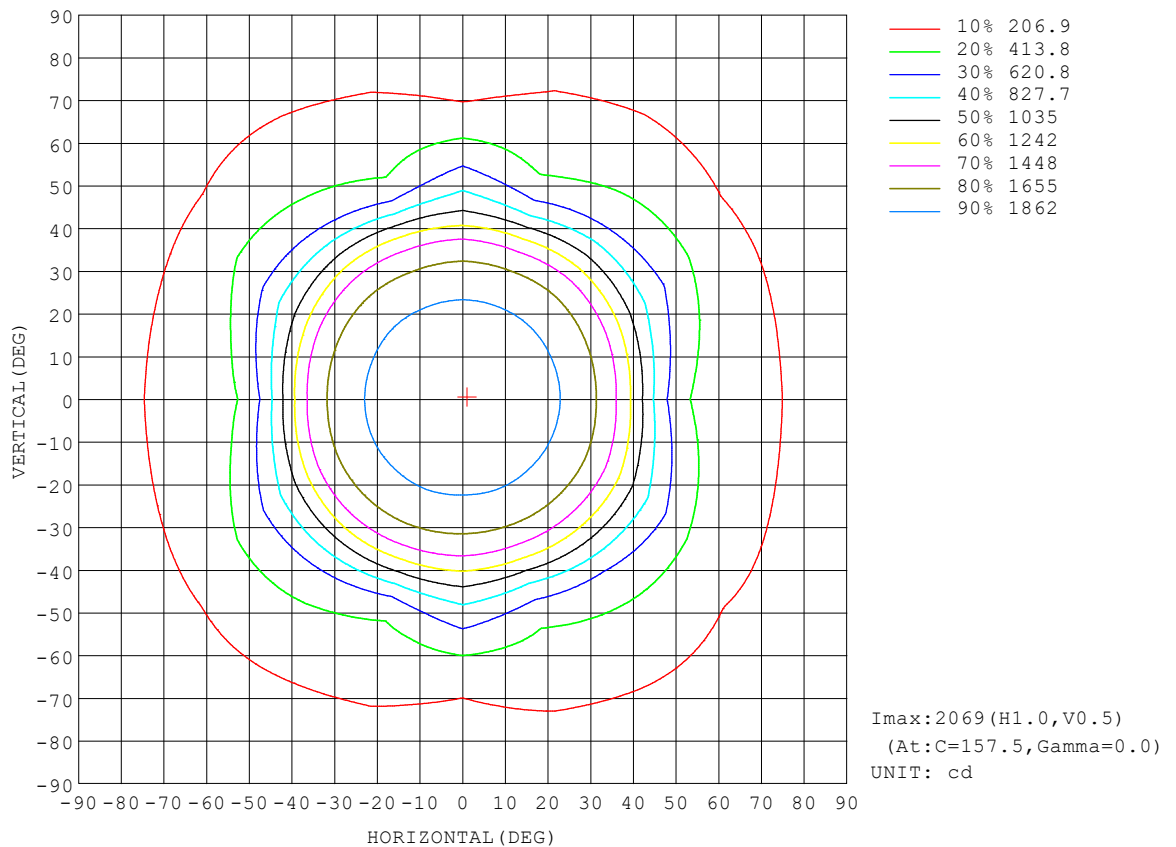
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 67 | 57 | 51 | 66 | 57 | 51 | 65 | 56 | 51 | 45 |
| 0.80 | 76 | 66 | 60 | 75 | 66 | 60 | 74 | 65 | 60 | 54 |
| 1.00 | 84 | 74 | 68 | 83 | 74 | 68 | 81 | 75 | 67 | 61 |
| 1.25 | 90 | 81 | 75 | 88 | 80 | 75 | 86 | 79 | 74 | 68 |
| 1.50 | 94 | 86 | 80 | 93 | 85 | 80 | 90 | 83 | 79 | 72 |
| 2.00 | 100 | 92 | 87 | 98 | 91 | 86 | 95 | 89 | 85 | 78 |
| 2.50 | 103 | 96 | 91 | 101 | 95 | 90 | 97 | 92 | 88 | 81 |
| 3.00 | 105 | 100 | 95 | 103 | 98 | 94 | 99 | 95 | 92 | 84 |
| 4.00 | 109 | 104 | 100 | 106 | 102 | 99 | 102 | 99 | 96 | 88 |
| 5.00 | 111 | 106 | 103 | 108 | 105 | 101 | 104 | 101 | 98 | 90 |
| 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℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/35/40W 300T WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |

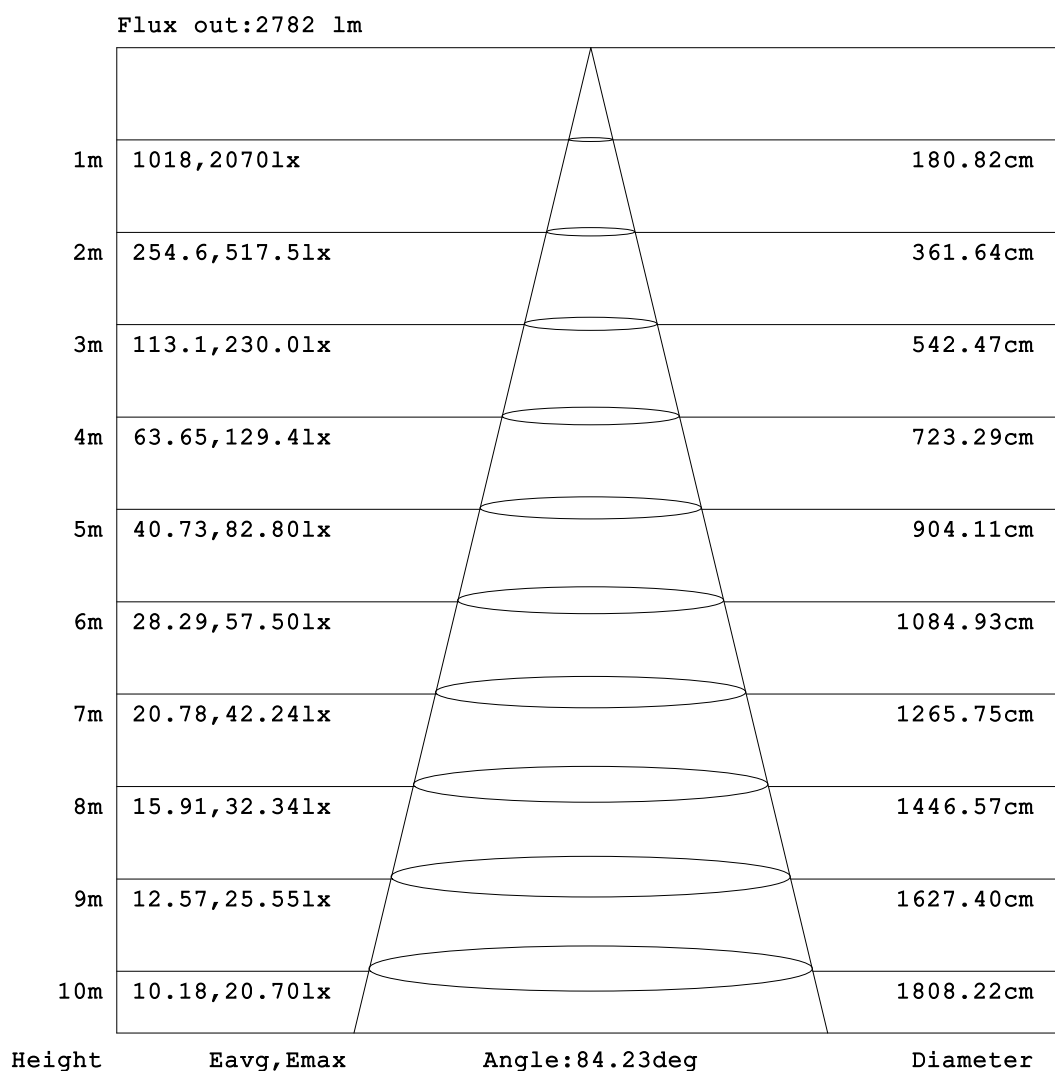


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/35/40W 360° WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |



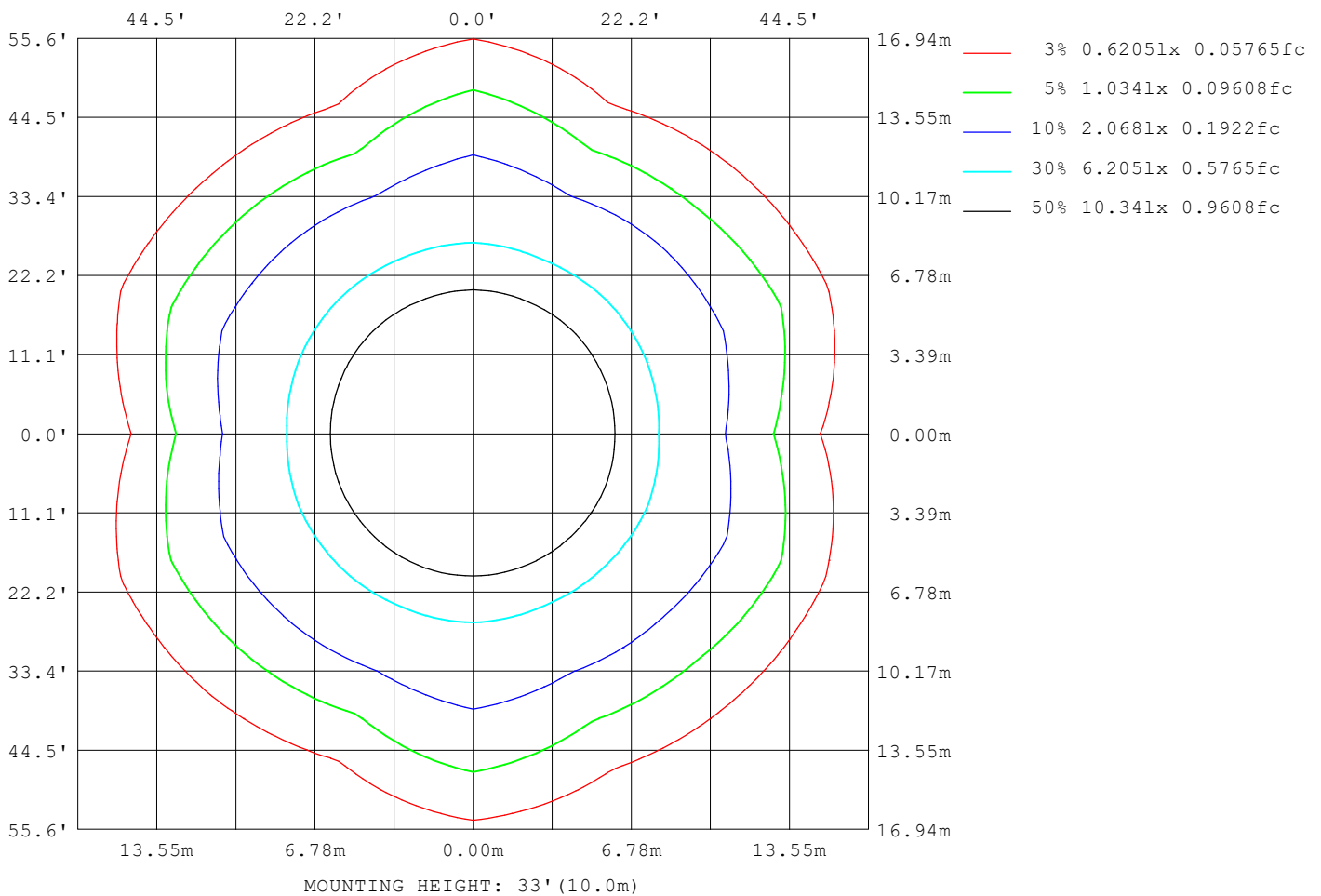
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LiXiaoFei
Test Date: 2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.550m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/35/40W 330T WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LiXiaoFei
Test Date: 2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.550m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|-------------------|--------------------------|
| Test:U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4228.52x1 lm | | |
| NameAA: Calex lgnis STP120 595x595mm UGR<19 20/25/30/Type:40W 360T WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |

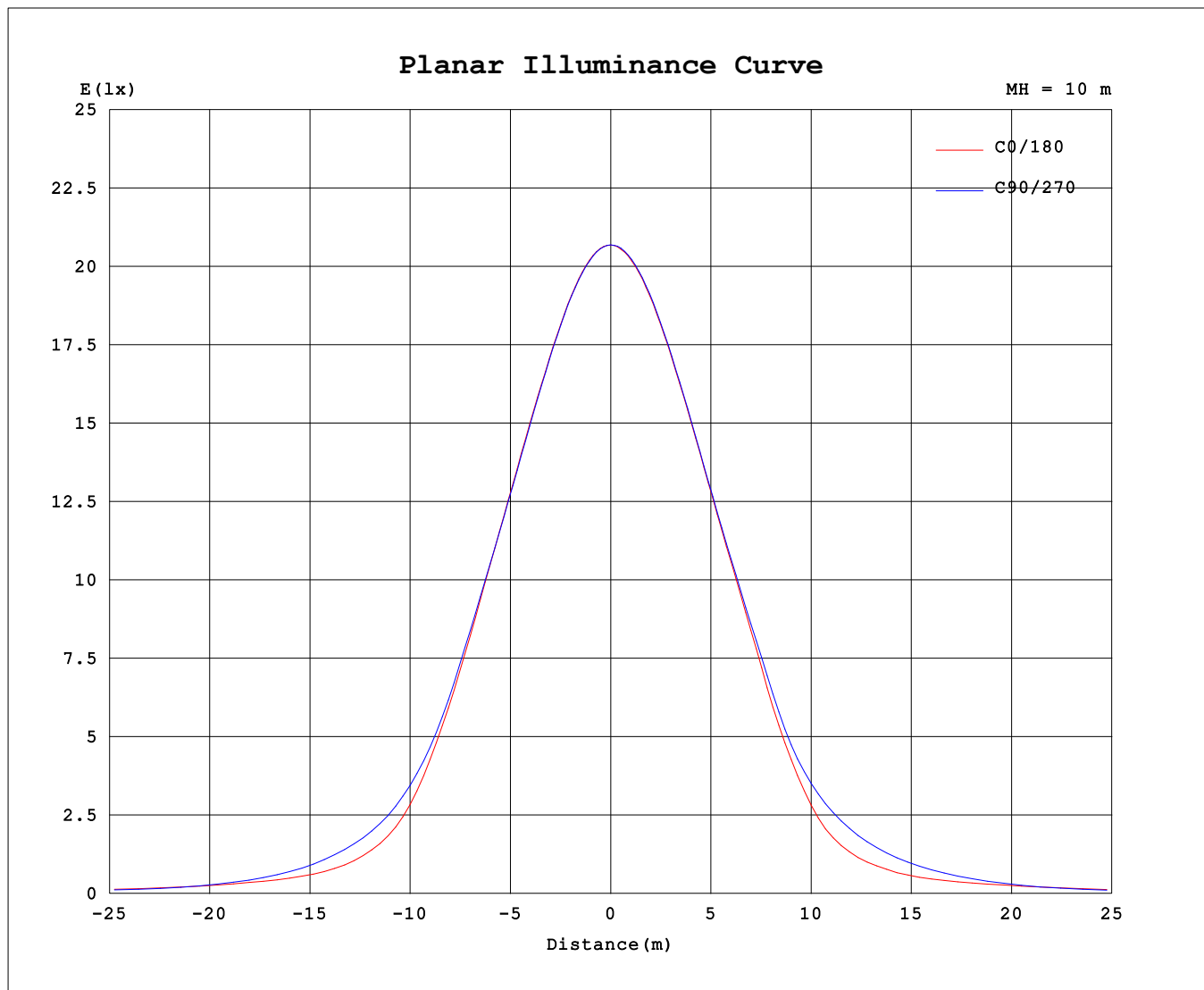
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 2191 |
| L_0~180 (75) av | 2589 |
| L_0~180 (85) av | 2348 |
| L_90~270 (65) av | 2182 |
| L_90~270 (75) av | 2232 |
| L_90~270 (85) av | 2362 |
| L_45 (65) av | 2327 |
| L_45 (75) av | 2297 |
| L_45 (85) av | 2657 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LiXiaoFei
Test Date:2025-08-23

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: LiXiaoFei
Test Date: 2025-08-23

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.550m [K=1.0000]
Remarks:

| | | |
|---|--------------------------|---------------------------------|
| Test: U:230.74V I:0.1606A P:35.908W PF:0.9692 Freq:49.99Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 4228.52x1 lm | | |
| Name AA: Calex Ignis STP120 595x595mm UGR<19 20/25/30/35/40/45 WH | Weight: | |
| SPEC.: 4000K | DIM.: | Instrument No.: HUP-IES2 |
| MFR.: CALEX | SUR.: 0.553*0.553 | shielding angle: |

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.550m [K=1.0000]
Remarks:

```