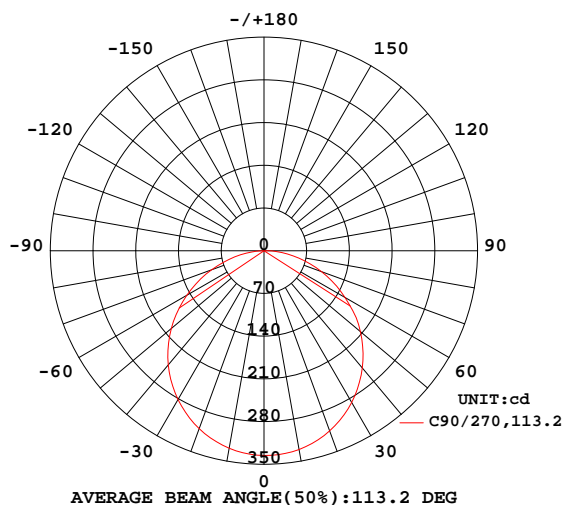


LUMINAIRE PHOTOMETRIC TEST REPORT

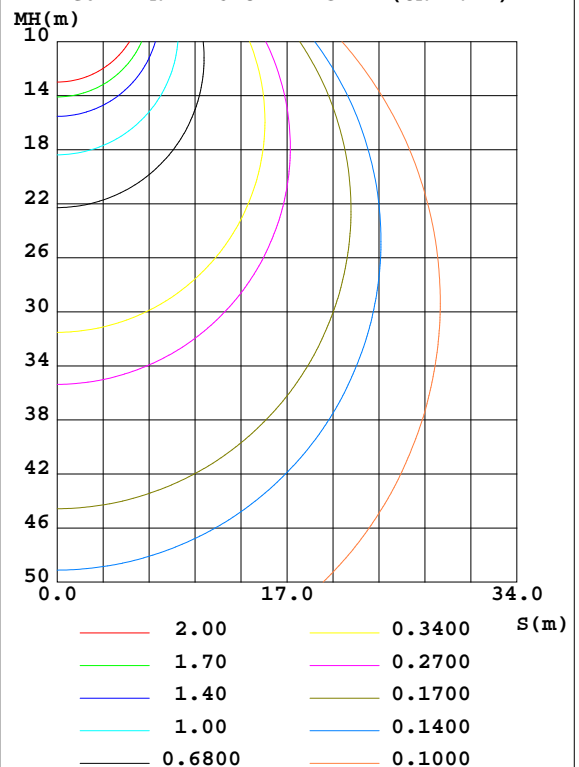
| | |
|--|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-83.3-RGBW | WEIGHT: 0.570kg/m |
| SPEC.: | DIM.: 22*19mm |
| MFR.: CLEAR | SUR.: 22*1000mm |
| | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 45.93 lm/W | | | |
|------------------|--------|----------------------------------|--------|------------------------|----------|
| MODEL | 5050 | Imax(cd) | 337.7 | S/MH(C0/180) | 1.27 |
| NOMINAL POWER(W) | 22 | LOR(%) | 101.7 | S/MH(C90/270) | 1.25 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 996.12 | η UP,DN(C0-180) | 0.5,51.0 |
| NOMINAL FLUX(lm) | 979.86 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.5,49.7 |
| LAMPS INSIDE | 1 | η up(%) | 1.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 24 | η down(%) | 100.6 | 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:Dillon
Test Date:29 July 2021

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [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 | 331.4 | 331.5 | 330.7 | 332.0 | 332.5 | 330.9 | 328.7 | 330.5 | 0- 10 | 31.88 | 31.88 | 3.2,3.25 |
| 20 | 313.8 | 314.9 | 314.3 | 315.5 | 315.5 | 313.4 | 310.2 | 312.5 | 10- 20 | 91.41 | 123.3 | 12.4,12.6 |
| 30 | 285.7 | 287.7 | 287.3 | 288.3 | 287.9 | 285.2 | 281.6 | 284.1 | 20- 30 | 138.8 | 262.1 | 26.3,26.8 |
| 40 | 248.3 | 251.2 | 250.7 | 251.6 | 250.7 | 247.8 | 244.3 | 246.7 | 30- 40 | 168.0 | 430.1 | 43.2,43.9 |
| 50 | 203.4 | 206.6 | 206.3 | 207.0 | 206.1 | 202.6 | 198.3 | 201.6 | 40- 50 | 175.4 | 605.6 | 60.8,61.8 |
| 60 | 151.9 | 154.5 | 153.5 | 155.1 | 152.6 | 149.6 | 146.2 | 148.5 | 50- 60 | 159.6 | 765.1 | 76.8,78.1 |
| 70 | 96.46 | 100.3 | 100.5 | 100.9 | 98.02 | 94.78 | 91.20 | 93.87 | 60- 70 | 123.3 | 888.4 | 89.2,90.7 |
| 80 | 42.29 | 46.98 | 48.58 | 47.51 | 44.74 | 41.99 | 39.18 | 41.17 | 70- 80 | 73.76 | 962.2 | 96.6,98.2 |
| 90 | 1.541 | 5.851 | 8.070 | 6.274 | 2.761 | 4.036 | 3.958 | 3.613 | 80- 90 | 23.68 | 985.8 | 99,101 |
| 100 | 1.198 | 1.842 | 1.993 | 2.211 | 2.594 | 2.068 | 1.468 | 1.609 | 90-100 | 2.762 | 988.6 | 99.2,101 |
| 110 | 1.328 | 1.120 | 0.3860 | 1.468 | 2.475 | 1.526 | 0.4476 | 1.107 | 100-110 | 1.612 | 990.2 | 99.4,101 |
| 120 | 1.575 | 1.220 | 0.5515 | 1.511 | 2.358 | 1.538 | 0.5974 | 1.195 | 110-120 | 1.277 | 991.5 | 99.5,101 |
| 130 | 1.680 | 1.363 | 0.8126 | 1.542 | 2.187 | 1.564 | 0.8353 | 1.314 | 120-130 | 1.239 | 992.7 | 99.7,101 |
| 140 | 1.729 | 1.433 | 1.033 | 1.564 | 2.036 | 1.575 | 1.033 | 1.384 | 130-140 | 1.127 | 993.9 | 99.8,101 |
| 150 | 1.726 | 1.496 | 1.282 | 1.558 | 1.854 | 1.584 | 1.262 | 1.388 | 140-150 | 0.9413 | 994.8 | 99.9,102 |
| 160 | 1.671 | 1.525 | 1.463 | 1.568 | 1.741 | 1.575 | 1.459 | 1.448 | 150-160 | 0.7085 | 995.5 | 99.9,102 |
| 170 | 1.630 | 1.558 | 1.677 | 1.619 | 1.648 | 1.636 | 1.674 | 1.535 | 160-170 | 0.4469 | 996.0 | 100,102 |
| 180 | 1.715 | 1.729 | 1.796 | 1.704 | 1.715 | 1.719 | 1.816 | 1.709 | 170-180 | 0.1570 | 996.1 | 100,102 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 535.98 lm

%lum = 53.8%

%lamp = 54.7%

Conical surface Flux(120deg): 765.12 lm

%lum = 76.8%

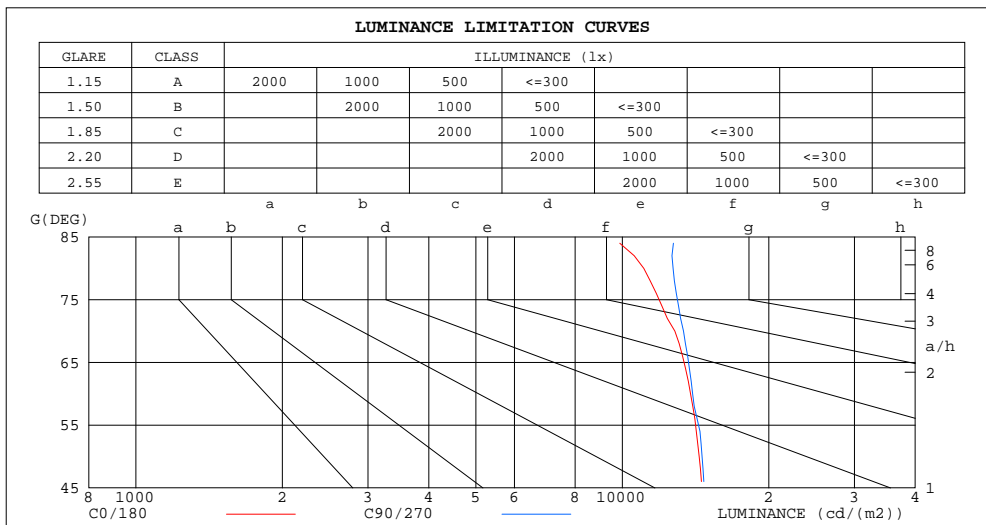
%lamp = 78.1%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:29 July 2021

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | |
|--|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8BYBERGBW | WEIGHT: 0.570kg/m |
| SPEC.: | DIM.: 22*19mm |
| MFR.: CLEAR | SUR.: 22*1000mm |
| | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 11853 | 15274 |
| 80 | 11069 | 12715 |
| 75 | 12839 | 13898 |
| 70 | 12819 | 13355 |
| 65 | 13996 | 14255 |
| 60 | 13813 | 13952 |
| 55 | 14545 | 14797 |
| 50 | 14384 | 14586 |
| 45 | 14869 | 15028 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Dillon
Test Date: 29 July 2021

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 6.950m [K=1.0000]
Remarks:

WEC AND CCEC

| | |
|--|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8TYBERGBW | WEIGHT: 0.570kg/m |
| SPEC.: | DIM.: 22*19mm |
| MFR.: CLEAR | SUR.: 22*1000mm |
| | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|--|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | | |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | | |
| 1.0 | .323 | .184 | .058 | .315 | .180 | .057 | .301 | .173 | .055 | .288 | .166 | .053 | .276 | .160 | .052 | | | |
| 2.0 | .302 | .165 | .051 | .295 | .162 | .050 | .282 | .157 | .049 | .271 | .152 | .048 | .260 | .147 | .046 | | | |
| 3.0 | .278 | .148 | .044 | .272 | .146 | .044 | .261 | .141 | .043 | .251 | .137 | .042 | .241 | .134 | .041 | | | |
| 4.0 | .256 | .133 | .039 | .251 | .131 | .039 | .241 | .128 | .038 | .232 | .124 | .038 | .223 | .121 | .037 | | | |
| 5.0 | .236 | .120 | .035 | .231 | .119 | .035 | .223 | .116 | .034 | .214 | .113 | .034 | .207 | .111 | .033 | | | |
| 6.0 | .219 | .110 | .031 | .215 | .108 | .031 | .207 | .106 | .031 | .199 | .104 | .030 | .193 | .101 | .030 | | | |
| 7.0 | .203 | .100 | .028 | .200 | .099 | .028 | .193 | .097 | .028 | .186 | .095 | .028 | .180 | .093 | .027 | | | |
| 8.0 | .190 | .093 | .026 | .186 | .092 | .026 | .180 | .090 | .026 | .174 | .088 | .025 | .169 | .087 | .025 | | | |
| 9.0 | .178 | .086 | .024 | .175 | .085 | .024 | .169 | .084 | .024 | .164 | .082 | .023 | .159 | .081 | .023 | | | |
| 10.0 | .167 | .080 | .022 | .164 | .079 | .022 | .159 | .078 | .022 | .154 | .077 | .022 | .150 | .075 | .022 | | | |

| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|-----------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|--|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | |
| 0.0 | .202 | .202 | .202 | .172 | .172 | .172 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | | |
| 1.0 | .192 | .167 | .144 | .164 | .143 | .124 | .112 | .098 | .086 | .065 | .057 | .050 | .021 | .018 | .016 | | |
| 2.0 | .184 | .142 | .107 | .157 | .122 | .093 | .108 | .085 | .065 | .062 | .049 | .038 | .020 | .016 | .012 | | |
| 3.0 | .176 | .124 | .083 | .151 | .107 | .072 | .104 | .075 | .051 | .060 | .044 | .030 | .019 | .014 | .010 | | |
| 4.0 | .168 | .111 | .067 | .144 | .096 | .058 | .099 | .067 | .041 | .057 | .039 | .024 | .018 | .013 | .008 | | |
| 5.0 | .161 | .100 | .056 | .138 | .087 | .049 | .095 | .061 | .034 | .055 | .036 | .020 | .018 | .012 | .007 | | |
| 6.0 | .153 | .092 | .048 | .132 | .080 | .042 | .091 | .056 | .029 | .053 | .033 | .018 | .017 | .011 | .006 | | |
| 7.0 | .146 | .085 | .042 | .126 | .074 | .036 | .087 | .052 | .026 | .051 | .030 | .015 | .016 | .010 | .005 | | |
| 8.0 | .140 | .079 | .037 | .120 | .069 | .033 | .083 | .048 | .023 | .048 | .028 | .014 | .016 | .009 | .005 | | |
| 9.0 | .134 | .074 | .034 | .115 | .064 | .029 | .080 | .045 | .021 | .046 | .027 | .012 | .015 | .009 | .004 | | |
| 10.0 | .128 | .070 | .031 | .110 | .060 | .027 | .076 | .043 | .019 | .045 | .025 | .011 | .014 | .008 | .004 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:29 July 2021

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|-----|------------------|------|------|------|-------------------|----------------|------------------|------|------|------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8TYBERGBW | | | | | | WEIGHT: 0.570kg/m | | | | | |
| SPEC.: | | | | | | DIM.: 22*19mm | | SERIAL No.: | | | |
| MFR.: CLEAR | | | | | | SUR.: 22*1000mm | | 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 | | 22.1 | 23.7 | 22.4 | 23.9 | 24.1 | 22.2 | 23.7 | 22.5 | 24.0 | 24.2 |
| 3H | | 23.7 | 25.1 | 24.0 | 25.4 | 25.6 | 23.8 | 25.3 | 24.2 | 25.5 | 25.8 |
| 4H | | 24.3 | 25.7 | 24.7 | 25.9 | 26.2 | 24.5 | 25.9 | 24.9 | 26.1 | 26.4 |
| 6H | | 24.8 | 26.1 | 25.1 | 26.4 | 26.7 | 25.1 | 26.4 | 25.4 | 26.6 | 26.9 |
| 8H | | 25.0 | 26.2 | 25.3 | 26.5 | 26.8 | 25.3 | 26.5 | 25.7 | 26.8 | 27.1 |
| 12H | | 25.0 | 26.2 | 25.4 | 26.5 | 26.9 | 25.4 | 26.6 | 25.8 | 26.9 | 27.3 |
| 4H 2H | | 22.8 | 24.1 | 23.1 | 24.4 | 24.7 | 22.9 | 24.2 | 23.2 | 24.5 | 24.7 |
| 3H | | 24.5 | 25.7 | 24.9 | 26.0 | 26.4 | 24.7 | 25.8 | 25.0 | 26.2 | 26.5 |
| 4H | | 25.3 | 26.4 | 25.7 | 26.7 | 27.1 | 25.5 | 26.6 | 25.9 | 26.9 | 27.3 |
| 6H | | 25.9 | 26.9 | 26.3 | 27.2 | 27.6 | 26.2 | 27.1 | 26.6 | 27.5 | 27.9 |
| 8H | | 26.1 | 27.0 | 26.6 | 27.4 | 27.8 | 26.5 | 27.4 | 26.9 | 27.7 | 28.2 |
| 12H | | 26.3 | 27.1 | 26.7 | 27.5 | 27.9 | 26.7 | 27.5 | 27.1 | 27.9 | 28.3 |
| 8H 4H | | 25.6 | 26.5 | 26.1 | 26.9 | 27.3 | 25.8 | 26.7 | 26.2 | 27.1 | 27.5 |
| 6H | | 26.4 | 27.2 | 26.9 | 27.6 | 28.0 | 26.7 | 27.4 | 27.1 | 27.8 | 28.3 |
| 8H | | 26.7 | 27.4 | 27.2 | 27.8 | 28.3 | 27.0 | 27.7 | 27.5 | 28.1 | 28.6 |
| 12H | | 27.0 | 27.5 | 27.4 | 28.0 | 28.5 | 27.4 | 27.9 | 27.9 | 28.4 | 28.9 |
| 12H 4H | | 25.7 | 26.5 | 26.1 | 26.9 | 27.3 | 25.8 | 26.6 | 26.3 | 27.0 | 27.5 |
| 6H | | 26.5 | 27.2 | 27.0 | 27.6 | 28.1 | 26.7 | 27.4 | 27.2 | 27.8 | 28.3 |
| 8H | | 26.9 | 27.4 | 27.4 | 27.9 | 28.4 | 27.2 | 27.7 | 27.7 | 28.2 | 28.7 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.1 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 979.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)
Area: 0.022 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:29 July 2021

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | |
|--|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8TYBERGBW | WEIGHT: 0.570kg/m |
| SPEC.: | DIM.: 22*19mm |
| MFR.: CLEAR | SUR.: 22*1000mm |
| | Shielding Angle: |

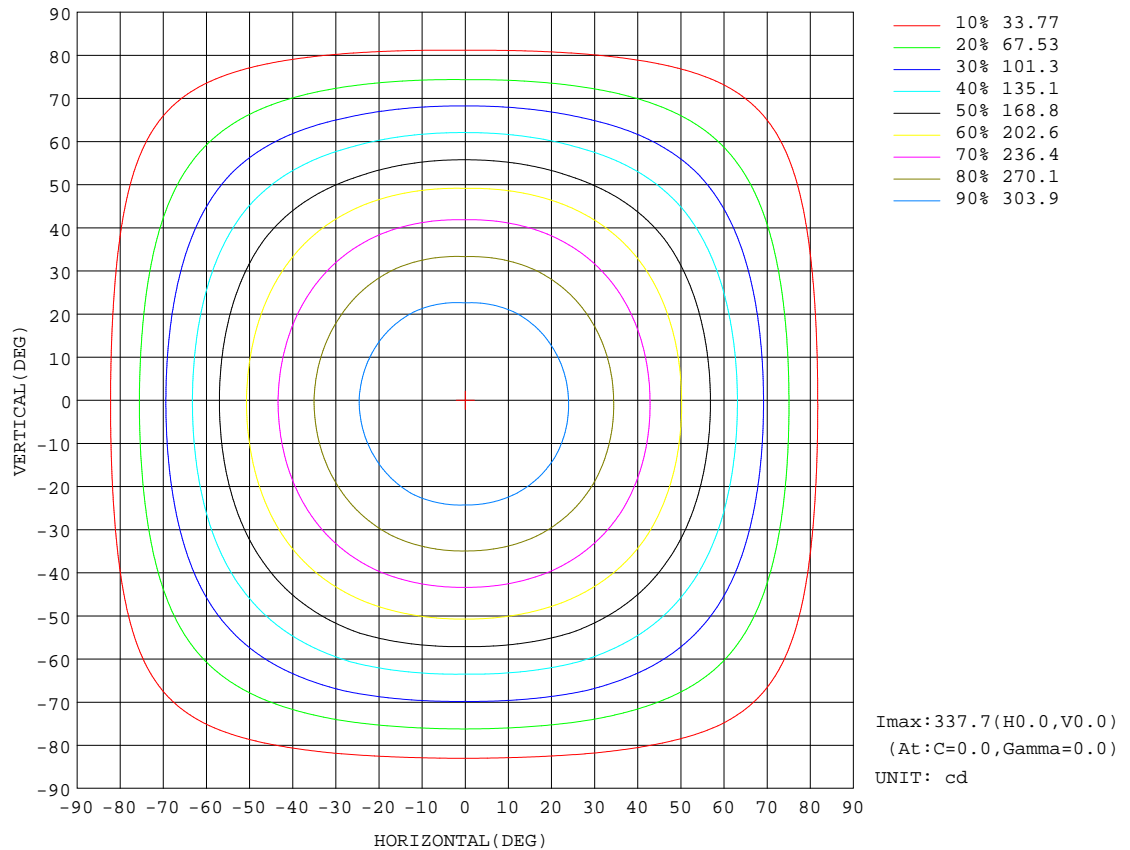
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 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 | 58 | 46 | 39 | 57 | 45 | 38 | 56 | 45 | 38 | 32 |
| 0.80 | 68 | 56 | 48 | 67 | 55 | 48 | 65 | 54 | 48 | 40 |
| 1.00 | 76 | 65 | 57 | 75 | 64 | 57 | 73 | 66 | 56 | 49 |
| 1.25 | 84 | 73 | 65 | 82 | 72 | 65 | 79 | 70 | 64 | 56 |
| 1.50 | 89 | 78 | 71 | 87 | 77 | 71 | 84 | 75 | 69 | 61 |
| 2.00 | 96 | 87 | 80 | 94 | 85 | 79 | 90 | 83 | 78 | 69 |
| 2.50 | 100 | 92 | 85 | 98 | 90 | 84 | 93 | 87 | 82 | 74 |
| 3.00 | 103 | 96 | 90 | 101 | 94 | 89 | 97 | 91 | 87 | 78 |
| 4.00 | 107 | 101 | 96 | 105 | 99 | 95 | 100 | 96 | 92 | 83 |
| 5.00 | 110 | 105 | 100 | 107 | 103 | 99 | 102 | 99 | 96 | 86 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | | | | | | | |
| Suspended | | | | | | | | | | |
| SHRNM = 1.25 | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:29 July 2021

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | |
|---|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8TYBBERGBW | WEIGHT: 0.570kg/m |
| SPEC.: | SERIAL No.: |
| MFR.: CLEAR | Shielding Angle: |



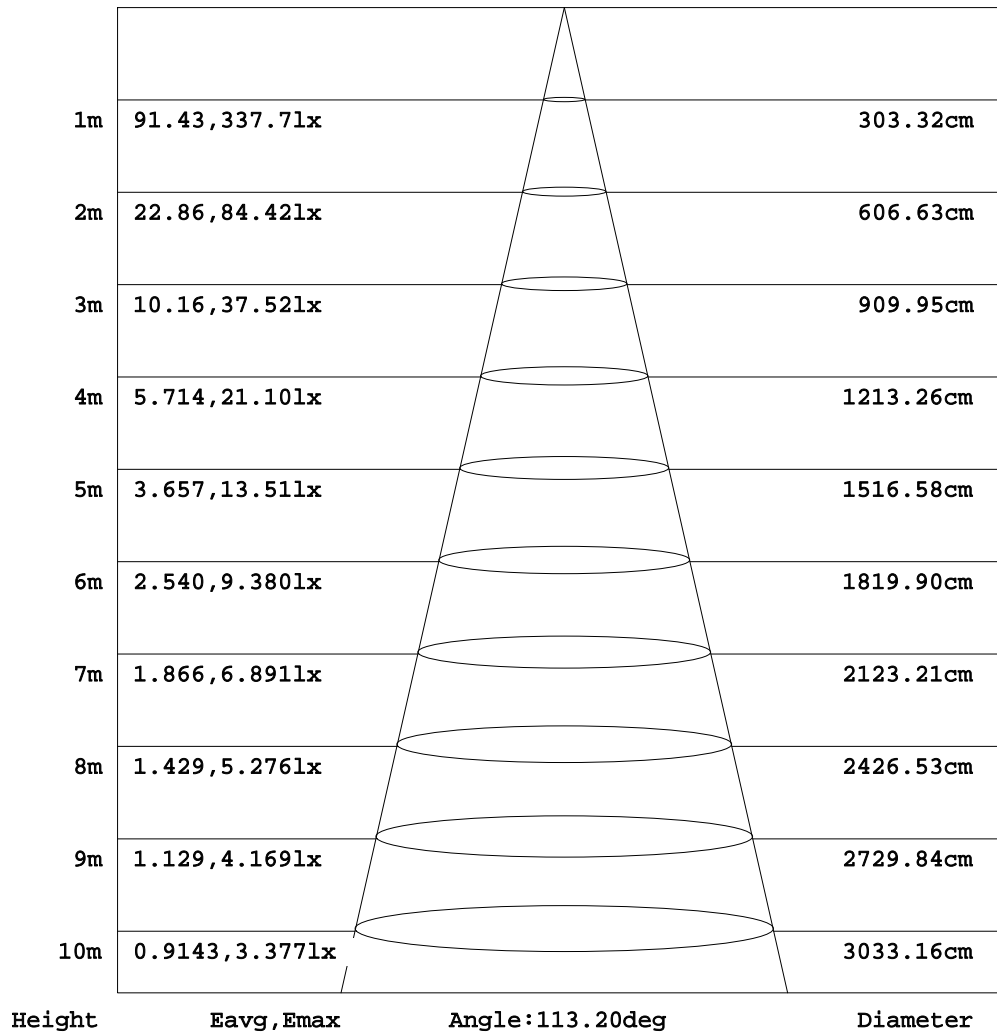
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 29 July 2021

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

AAI Figure

| | |
|--|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8TYBERGBW | WEIGHT: 0.570kg/m |
| SPEC.: | SERIAL No.: |
| MFR.: CLEAR | Shielding Angle: |

Flux out:735.6 lm

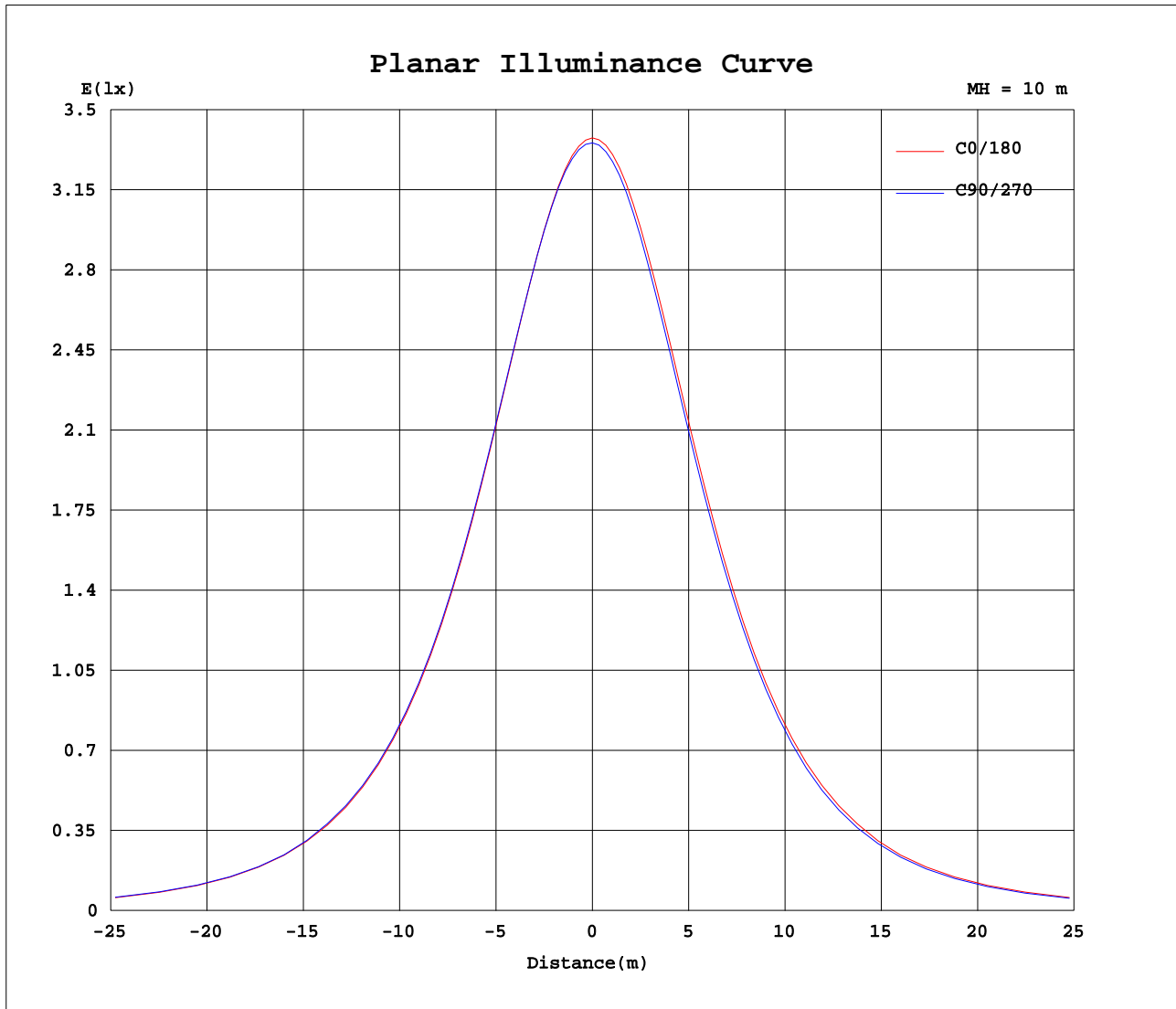


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 29 July 2021

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 29 July 2021

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | |
|--|-------------------|
| NAME: C-SFR-F2219S12-VB-24CC-RGBW(27K)-WM-84-22W-8BYBERGBW | WEIGHT: 0.570kg/m |
| SPEC.: | DIM.: 22*19mm |
| MFR.: CLEAR | SUR.: 22*1000mm |
| | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 338 | 338 | 336 | 335 | 337 | 337 | 338 | 338 | 336 | 335 | 337 | 337 | | | | | | | |
| 5 | 337 | 337 | 336 | 335 | 337 | 336 | 337 | 337 | 335 | 334 | 336 | 336 | | | | | | | |
| 10 | 331 | 332 | 331 | 331 | 332 | 332 | 332 | 331 | 330 | 329 | 330 | 331 | | | | | | | |
| 15 | 326 | 326 | 326 | 325 | 327 | 327 | 327 | 326 | 325 | 323 | 324 | 325 | | | | | | | |
| 20 | 314 | 315 | 315 | 314 | 316 | 315 | 316 | 314 | 313 | 310 | 312 | 313 | | | | | | | |
| 25 | 304 | 305 | 305 | 305 | 306 | 306 | 306 | 304 | 303 | 300 | 302 | 303 | | | | | | | |
| 30 | 286 | 287 | 288 | 287 | 289 | 288 | 288 | 286 | 285 | 282 | 284 | 284 | | | | | | | |
| 35 | 272 | 274 | 274 | 274 | 275 | 274 | 274 | 272 | 271 | 268 | 270 | 270 | | | | | | | |
| 40 | 248 | 251 | 252 | 251 | 252 | 251 | 251 | 248 | 247 | 244 | 246 | 247 | | | | | | | |
| 45 | 231 | 234 | 235 | 234 | 235 | 234 | 234 | 231 | 230 | 227 | 229 | 230 | | | | | | | |
| 50 | 203 | 206 | 207 | 206 | 207 | 207 | 206 | 204 | 202 | 198 | 201 | 202 | | | | | | | |
| 55 | 184 | 186 | 187 | 187 | 188 | 187 | 186 | 184 | 181 | 178 | 181 | 183 | | | | | | | |
| 60 | 152 | 153 | 156 | 153 | 157 | 154 | 153 | 152 | 147 | 146 | 146 | 151 | | | | | | | |
| 65 | 130 | 131 | 135 | 133 | 135 | 132 | 131 | 130 | 125 | 124 | 125 | 129 | | | | | | | |
| 70 | 96.5 | 98.7 | 102 | 100 | 102 | 99.4 | 98.0 | 96.8 | 92.8 | 91.2 | 92.2 | 95.6 | | | | | | | |
| 75 | 73.1 | 76.8 | 78.9 | 79.1 | 79.4 | 77.6 | 75.8 | 73.4 | 71.3 | 69.2 | 70.7 | 72.2 | | | | | | | |
| 80 | 42.3 | 45.9 | 48.1 | 48.6 | 48.4 | 46.7 | 44.7 | 42.7 | 41.3 | 39.2 | 40.7 | 41.6 | | | | | | | |
| 85 | 22.7 | 26.5 | 28.7 | 29.3 | 29.0 | 27.3 | 25.3 | 23.4 | 22.0 | 20.6 | 21.6 | 22.4 | | | | | | | |
| 90 | 1.54 | 4.44 | 7.26 | 8.07 | 7.48 | 5.07 | 2.76 | 3.75 | 4.32 | 3.96 | 4.09 | 3.13 | | | | | | | |
| 95 | 1.34 | 2.32 | 2.58 | 2.33 | 2.75 | 2.86 | 2.61 | 2.69 | 2.33 | 1.69 | 2.12 | 2.09 | | | | | | | |
| 100 | 1.20 | 1.39 | 2.30 | 1.99 | 2.47 | 1.95 | 2.59 | 2.10 | 2.04 | 1.47 | 1.81 | 1.41 | | | | | | | |
| 105 | 1.21 | 1.35 | 1.14 | 1.56 | 1.36 | 1.91 | 2.54 | 1.99 | 1.80 | 1.36 | 1.46 | 1.37 | | | | | | | |
| 110 | 1.33 | 1.39 | 0.85 | 0.39 | 1.00 | 1.93 | 2.47 | 1.96 | 1.09 | 0.45 | 0.84 | 1.38 | | | | | | | |
| 115 | 1.43 | 1.42 | 0.87 | 0.43 | 1.01 | 1.93 | 2.45 | 1.96 | 1.07 | 0.48 | 0.84 | 1.40 | | | | | | | |
| 120 | 1.58 | 1.50 | 0.94 | 0.55 | 1.09 | 1.93 | 2.36 | 1.93 | 1.14 | 0.60 | 0.92 | 1.47 | | | | | | | |
| 125 | 1.63 | 1.55 | 1.02 | 0.66 | 1.13 | 1.91 | 2.28 | 1.92 | 1.18 | 0.70 | 1.02 | 1.49 | | | | | | | |
| 130 | 1.68 | 1.60 | 1.13 | 0.81 | 1.21 | 1.87 | 2.19 | 1.89 | 1.24 | 0.84 | 1.08 | 1.55 | | | | | | | |
| 135 | 1.72 | 1.62 | 1.18 | 0.91 | 1.26 | 1.85 | 2.14 | 1.85 | 1.28 | 0.93 | 1.16 | 1.55 | | | | | | | |
| 140 | 1.73 | 1.61 | 1.26 | 1.03 | 1.33 | 1.80 | 2.04 | 1.79 | 1.36 | 1.03 | 1.18 | 1.59 | | | | | | | |
| 145 | 1.73 | 1.63 | 1.32 | 1.14 | 1.36 | 1.74 | 1.97 | 1.76 | 1.41 | 1.12 | 1.18 | 1.62 | | | | | | | |
| 150 | 1.73 | 1.62 | 1.37 | 1.28 | 1.44 | 1.68 | 1.85 | 1.71 | 1.45 | 1.26 | 1.17 | 1.61 | | | | | | | |
| 155 | 1.70 | 1.64 | 1.37 | 1.37 | 1.46 | 1.67 | 1.80 | 1.69 | 1.47 | 1.34 | 1.24 | 1.62 | | | | | | | |
| 160 | 1.67 | 1.61 | 1.44 | 1.46 | 1.52 | 1.61 | 1.74 | 1.63 | 1.52 | 1.46 | 1.29 | 1.60 | | | | | | | |
| 165 | 1.66 | 1.62 | 1.47 | 1.58 | 1.56 | 1.59 | 1.67 | 1.61 | 1.58 | 1.56 | 1.36 | 1.62 | | | | | | | |
| 170 | 1.63 | 1.60 | 1.52 | 1.68 | 1.64 | 1.60 | 1.65 | 1.62 | 1.65 | 1.67 | 1.46 | 1.61 | | | | | | | |
| 175 | 1.61 | 1.59 | 1.60 | 1.75 | 1.68 | 1.67 | 1.66 | 1.67 | 1.69 | 1.75 | 1.54 | 1.60 | | | | | | | |
| 180 | 1.71 | 1.73 | 1.73 | 1.80 | 1.71 | 1.70 | 1.71 | 1.72 | 1.72 | 1.82 | 1.70 | 1.71 | | | | | | | |

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Dillon

Test Date:29 July 2021

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:6.950m [K=1.0000]

Remarks: