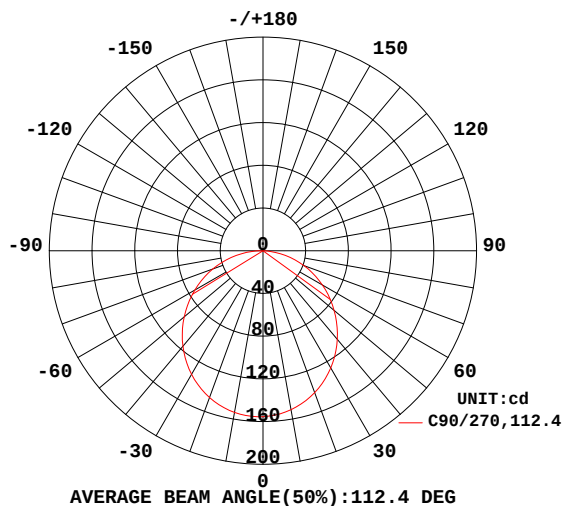


LUMINAIRE PHOTOMETRIC TEST REPORT

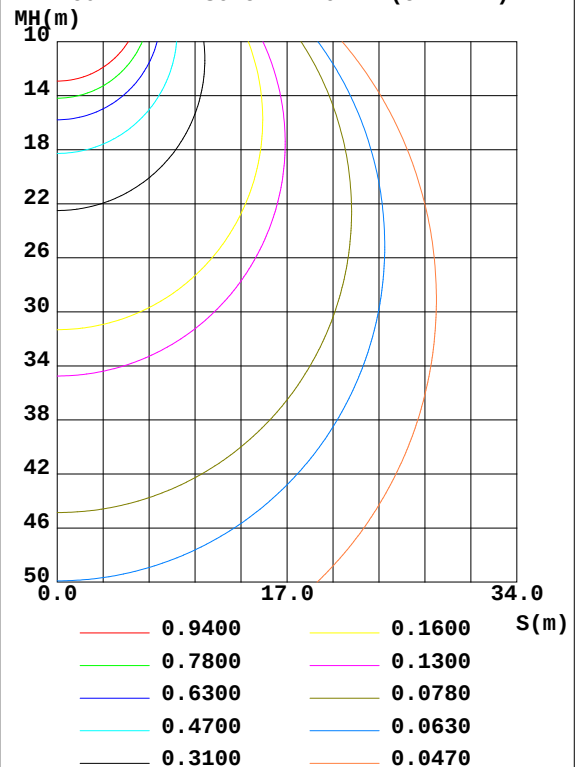
|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-83.3-RGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | SERIAL No.:       |
| MFR.: CLEAR                                               | Shielding Angle:  |

| DATA OF LAMP     |        | PHOTOMETRIC DATA Eff: 28.18 lm/W |        |                    |           |
|------------------|--------|----------------------------------|--------|--------------------|-----------|
| MODEL            | 5050   | I <sub>max</sub> (cd)            | 157.0  | S/MH(C0/180)       | 1.26      |
| NOMINAL POWER(W) | 22     | LOR(%)                           | 102.3  | S/MH(C90/270)      | 1.28      |
| RATED VOLTAGE(V) | 24     | TOTAL FLUX(lm)                   | 464.08 | η UP, DN(C0-180)   | 0.6, 48.8 |
| NOMINAL FLUX(lm) | 453.68 | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.6, 52.3 |
| LAMPS INSIDE     | 1      | η up(%)                          | 1.2    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 24     | η down(%)                        | 101.1  | 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:Dillon  
Test Date:22 July 2021

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_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  | 154.1                 | 152.6  | 151.2  | 152.9  | 154.2  | 154.6  | 153.7  | 154.7  | 0- 10   | 14.79   | 14.79   | 3.19, 3.26 |
| 20  | 145.7                 | 143.5  | 141.4  | 143.7  | 146.0  | 147.2  | 146.4  | 147.1  | 10- 20  | 42.35   | 57.14   | 12.3, 12.6 |
| 30  | 132.2                 | 129.6  | 126.8  | 129.5  | 132.7  | 134.5  | 133.7  | 134.3  | 20- 30  | 64.09   | 121.2   | 26.1, 26.7 |
| 40  | 114.6                 | 111.7  | 108.3  | 111.3  | 115.2  | 117.3  | 116.7  | 117.1  | 30- 40  | 77.20   | 198.4   | 42.8, 43.7 |
| 50  | 93.68                 | 90.72  | 86.96  | 90.31  | 94.62  | 96.87  | 96.39  | 96.56  | 40- 50  | 80.28   | 278.7   | 60.1, 61.4 |
| 60  | 70.74                 | 68.07  | 64.32  | 67.62  | 71.96  | 74.17  | 73.80  | 73.76  | 50- 60  | 73.49   | 352.2   | 75.9, 77.6 |
| 70  | 46.50                 | 44.31  | 40.90  | 43.93  | 48.12  | 50.35  | 50.14  | 49.77  | 60- 70  | 58.25   | 410.4   | 88.4, 90.5 |
| 80  | 21.34                 | 19.70  | 16.75  | 19.36  | 23.06  | 25.46  | 25.47  | 24.74  | 70- 80  | 36.45   | 446.9   | 96.3, 98.5 |
| 90  | 1.034                 | 1.832  | 0.3144 | 1.533  | 1.910  | 2.923  | 2.980  | 2.372  | 80- 90  | 11.61   | 458.5   | 98.8, 101  |
| 100 | 0.9817                | 1.619  | 0.1112 | 1.221  | 1.861  | 1.403  | 0.6359 | 1.072  | 90-100  | 1.461   | 460.0   | 99.1, 101  |
| 110 | 1.003                 | 1.406  | 0.0463 | 0.9968 | 1.679  | 1.079  | 0.5000 | 0.8625 | 100-110 | 1.151   | 461.1   | 99.4, 102  |
| 120 | 1.139                 | 1.210  | 0.0401 | 0.8333 | 1.478  | 0.6899 | 0.0537 | 0.6049 | 110-120 | 0.8995  | 462.0   | 99.6, 102  |
| 130 | 1.142                 | 1.108  | 0.0465 | 0.7561 | 1.296  | 0.6558 | 0.0492 | 0.6465 | 120-130 | 0.6765  | 462.7   | 99.7, 102  |
| 140 | 1.062                 | 1.002  | 0.1143 | 0.6773 | 1.059  | 0.5971 | 0.0740 | 0.5878 | 130-140 | 0.5462  | 463.2   | 99.8, 102  |
| 150 | 0.9538                | 0.8749 | 0.1729 | 0.5955 | 0.8486 | 0.5170 | 0.1326 | 0.5123 | 140-150 | 0.3985  | 463.6   | 99.9, 102  |
| 160 | 0.8334                | 0.7345 | 0.2593 | 0.4907 | 0.6418 | 0.4429 | 0.2314 | 0.4845 | 150-160 | 0.2575  | 463.9   | 100, 102   |
| 170 | 0.6637                | 0.5957 | 0.3395 | 0.3904 | 0.4567 | 0.3781 | 0.3209 | 0.4753 | 160-170 | 0.1391  | 464.0   | 100, 102   |
| 180 | 0.4259                | 0.4244 | 0.4012 | 0.3981 | 0.4074 | 0.4244 | 0.4012 | 0.3889 | 170-180 | 0.0416  | 464.1   | 100, 102   |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |            |

Conical surface Flux(90deg): 246.88 lm

%lum = 53.2%

%lamp = 54.4%

Conical surface Flux(120deg): 352.19 lm

%lum = 75.9%

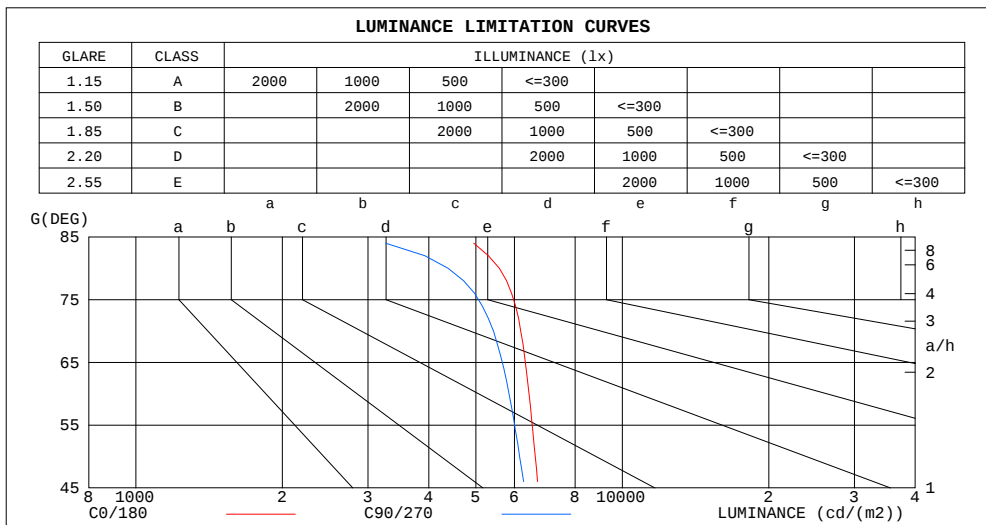
%lamp = 77.6%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Dillon  
 Test Date:22 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 2.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:6.950m [K=1.0000]  
 Remarks:

# LUMINANCE LIMITATION CURVES

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-83YBERGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | DIM.: 22*22mm     |
| MFR.: CLEAR                                               | SUR.: 22*1000mm   |
|                                                           | Shielding Angle:  |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G( DEG)           | C0/180 | C90/270 |
| 85                | 5939   | 3913    |
| 80                | 5587   | 4385    |
| 75                | 6427   | 5489    |
| 70                | 6180   | 5436    |
| 65                | 6581   | 5919    |
| 60                | 6431   | 5847    |
| 55                | 6711   | 6183    |
| 50                | 6625   | 6150    |
| 45                | 6847   | 6429    |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Dillon  
Test Date:22 July 2021

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.950m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-8BYBERGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | DIM.: 22*22mm     |
| MFR.: CLEAR                                               | SUR.: 22*1000mm   |
|                                                           | Shielding Angle:  |

| ρcc  | 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  | .329                  | .187 | .059 | .321 | .183 | .058 | .307                            | .176 | .056 | .294 | .169 | .054 | .282 | .163 | .053 |   |  |  |
| 2.0  | .306                  | .168 | .051 | .299 | .165 | .051 | .287                            | .159 | .050 | .275 | .154 | .048 | .264 | .149 | .047 |   |  |  |
| 3.0  | .282                  | .150 | .045 | .276 | .148 | .044 | .264                            | .143 | .044 | .254 | .139 | .043 | .244 | .135 | .042 |   |  |  |
| 4.0  | .259                  | .134 | .040 | .253 | .133 | .039 | .243                            | .129 | .039 | .234 | .126 | .038 | .226 | .123 | .037 |   |  |  |
| 5.0  | .239                  | .122 | .035 | .234 | .120 | .035 | .225                            | .117 | .034 | .217 | .114 | .034 | .209 | .112 | .034 |   |  |  |
| 6.0  | .221                  | .111 | .032 | .217 | .109 | .031 | .209                            | .107 | .031 | .201 | .105 | .031 | .194 | .102 | .030 |   |  |  |
| 7.0  | .205                  | .101 | .029 | .201 | .100 | .029 | .194                            | .098 | .028 | .188 | .096 | .028 | .181 | .094 | .028 |   |  |  |
| 8.0  | .191                  | .093 | .026 | .188 | .093 | .026 | .182                            | .091 | .026 | .176 | .089 | .026 | .170 | .087 | .025 |   |  |  |
| 9.0  | .179                  | .087 | .024 | .176 | .086 | .024 | .170                            | .084 | .024 | .165 | .083 | .024 | .160 | .081 | .023 |   |  |  |
| 10.0 | .168                  | .081 | .022 | .166 | .080 | .022 | .160                            | .079 | .022 | .155 | .077 | .022 | .151 | .076 | .022 |   |  |  |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_W$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fC}$ | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .204                  | .204 | .204 | .175 | .175 | .175 | .119                                       | .119 | .119 | .068 | .068 | .068 | .022 | .022 | .022 |   |
| 1.0         | .195                  | .169 | .146 | .167 | .145 | .126 | .114                                       | .100 | .087 | .066 | .058 | .051 | .021 | .019 | .016 |   |
| 2.0         | .187                  | .144 | .109 | .160 | .124 | .094 | .110                                       | .086 | .066 | .063 | .050 | .038 | .020 | .016 | .013 |   |
| 3.0         | .179                  | .127 | .085 | .153 | .109 | .074 | .105                                       | .076 | .052 | .061 | .044 | .030 | .020 | .014 | .010 |   |
| 4.0         | .171                  | .113 | .069 | .147 | .098 | .060 | .101                                       | .068 | .042 | .058 | .040 | .025 | .019 | .013 | .008 |   |
| 5.0         | .163                  | .102 | .057 | .140 | .089 | .050 | .097                                       | .062 | .035 | .056 | .036 | .021 | .018 | .012 | .007 |   |
| 6.0         | .156                  | .094 | .049 | .134 | .081 | .043 | .092                                       | .057 | .030 | .054 | .033 | .018 | .017 | .011 | .006 |   |
| 7.0         | .149                  | .087 | .043 | .128 | .075 | .038 | .088                                       | .053 | .027 | .051 | .031 | .016 | .017 | .010 | .005 |   |
| 8.0         | .142                  | .081 | .039 | .122 | .070 | .034 | .085                                       | .049 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 9.0         | .136                  | .076 | .035 | .117 | .066 | .031 | .081                                       | .046 | .022 | .047 | .027 | .013 | .015 | .009 | .004 |   |
| 10.0        | .130                  | .071 | .033 | .112 | .062 | .028 | .078                                       | .044 | .020 | .045 | .026 | .012 | .015 | .008 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Dillon  
Test Date:22 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.950m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                 |     |                  |      |      |      |                   |                |                  |      |      |      |
|-----------------------------------------------------------------|-----|------------------|------|------|------|-------------------|----------------|------------------|------|------|------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-83YBERGB       |     |                  |      |      |      | WEIGHT: 0.590kg/m |                |                  |      |      |      |
| SPEC.:                                                          |     |                  |      |      |      | DIM.: 22*22mm     |                | 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                                                   |     | 22.0             | 23.5 | 22.3 | 23.7 | 24.0              | 21.7           | 23.2             | 21.9 | 23.4 | 23.6 |
| 3H                                                              |     | 23.6             | 25.1 | 24.0 | 25.3 | 25.6              | 23.2           | 24.6             | 23.5 | 24.9 | 25.1 |
| 4H                                                              |     | 24.4             | 25.7 | 24.7 | 26.0 | 26.3              | 23.8           | 25.2             | 24.2 | 25.4 | 25.7 |
| 6H                                                              |     | 24.9             | 26.2 | 25.2 | 26.5 | 26.8              | 24.2           | 25.5             | 24.6 | 25.8 | 26.1 |
| 8H                                                              |     | 25.1             | 26.3 | 25.4 | 26.6 | 26.9              | 24.4           | 25.6             | 24.7 | 25.9 | 26.2 |
| 12H                                                             |     | 25.2             | 26.3 | 25.5 | 26.7 | 27.0              | 24.4           | 25.6             | 24.7 | 25.9 | 26.2 |
| 4H 2H                                                           |     | 22.6             | 23.9 | 22.9 | 24.2 | 24.5              | 22.3           | 23.7             | 22.7 | 23.9 | 24.2 |
| 3H                                                              |     | 24.4             | 25.6 | 24.8 | 25.9 | 26.3              | 24.1           | 25.3             | 24.4 | 25.6 | 25.9 |
| 4H                                                              |     | 25.3             | 26.4 | 25.7 | 26.7 | 27.1              | 24.8           | 25.9             | 25.2 | 26.3 | 26.6 |
| 6H                                                              |     | 25.9             | 26.9 | 26.4 | 27.3 | 27.7              | 25.4           | 26.3             | 25.8 | 26.7 | 27.1 |
| 8H                                                              |     | 26.2             | 27.1 | 26.6 | 27.5 | 27.9              | 25.5           | 26.4             | 26.0 | 26.8 | 27.2 |
| 12H                                                             |     | 26.3             | 27.1 | 26.8 | 27.6 | 28.0              | 25.6           | 26.4             | 26.0 | 26.8 | 27.3 |
| 8H 4H                                                           |     | 25.6             | 26.4 | 26.0 | 26.8 | 27.2              | 25.2           | 26.1             | 25.6 | 26.4 | 26.9 |
| 6H                                                              |     | 26.4             | 27.1 | 26.8 | 27.6 | 28.0              | 25.9           | 26.6             | 26.3 | 27.0 | 27.5 |
| 8H                                                              |     | 26.7             | 27.4 | 27.2 | 27.8 | 28.3              | 26.1           | 26.8             | 26.6 | 27.2 | 27.7 |
| 12H                                                             |     | 26.9             | 27.5 | 27.4 | 28.0 | 28.5              | 26.2           | 26.8             | 26.7 | 27.3 | 27.8 |
| 12H 4H                                                          |     | 25.6             | 26.4 | 26.0 | 26.8 | 27.2              | 25.2           | 26.0             | 25.6 | 26.4 | 26.9 |
| 6H                                                              |     | 26.4             | 27.1 | 26.9 | 27.5 | 28.0              | 26.0           | 26.6             | 26.4 | 27.1 | 27.5 |
| 8H                                                              |     | 26.8             | 27.4 | 27.3 | 27.8 | 28.3              | 26.2           | 26.8             | 26.7 | 27.3 | 27.8 |
| Variations with the observer position at spacings(CIE Pub.117): |     |                  |      |      |      |                   |                |                  |      |      |      |
| S = 1.0H                                                        |     | + 0.1 / - 0.2    |      |      |      |                   | + 0.1 / - 0.2  |                  |      |      |      |
| 1.5H                                                            |     | + 0.1 / - 0.3    |      |      |      |                   | + 0.2 / - 0.3  |                  |      |      |      |
| 2.0H                                                            |     | + 0.1 / - 0.2    |      |      |      |                   | + 0.1 / - 0.3  |                  |      |      |      |

CIE Pub.117, 453.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)  
Area: 0.022 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Dillon  
Test Date:22 July 2021

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.950m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-83YBERGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | SERIAL No.:       |
| MFR.: CLEAR                                               | Shielding Angle:  |

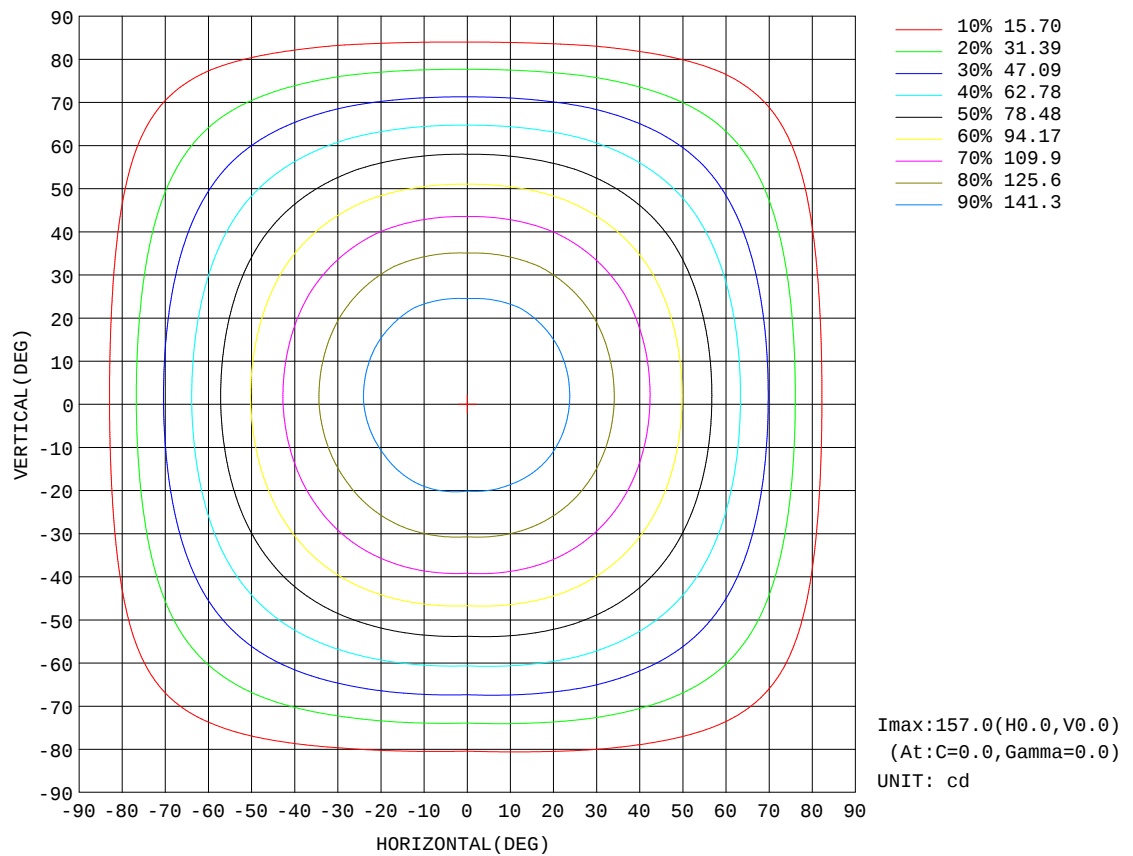
| REFLECTANCE                      |                                                 |     |     |     |     |     |     |     |     |        |
|----------------------------------|-------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling                          | 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  | 46  | 38  | 56  | 45  | 38  | 32     |
| 0.80                             | 68                                              | 56  | 48  | 67  | 55  | 48  | 65  | 55  | 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  | 70  | 84  | 75  | 69  | 61     |
| 2.00                             | 96                                              | 87  | 80  | 94  | 86  | 79  | 90  | 83  | 78  | 69     |
| 2.50                             | 100                                             | 92  | 85  | 98  | 90  | 84  | 94  | 87  | 82  | 73     |
| 3.00                             | 104                                             | 96  | 90  | 101 | 95  | 89  | 97  | 91  | 87  | 78     |
| 4.00                             | 108                                             | 102 | 97  | 105 | 100 | 95  | 101 | 96  | 92  | 83     |
| 5.00                             | 110                                             | 105 | 101 | 108 | 103 | 99  | 103 | 99  | 96  | 86     |
| 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:Dillon  
Test Date:22 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.950m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-83YBERGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | SERIAL No.:       |
| MFR.: CLEAR                                               | Shielding Angle:  |

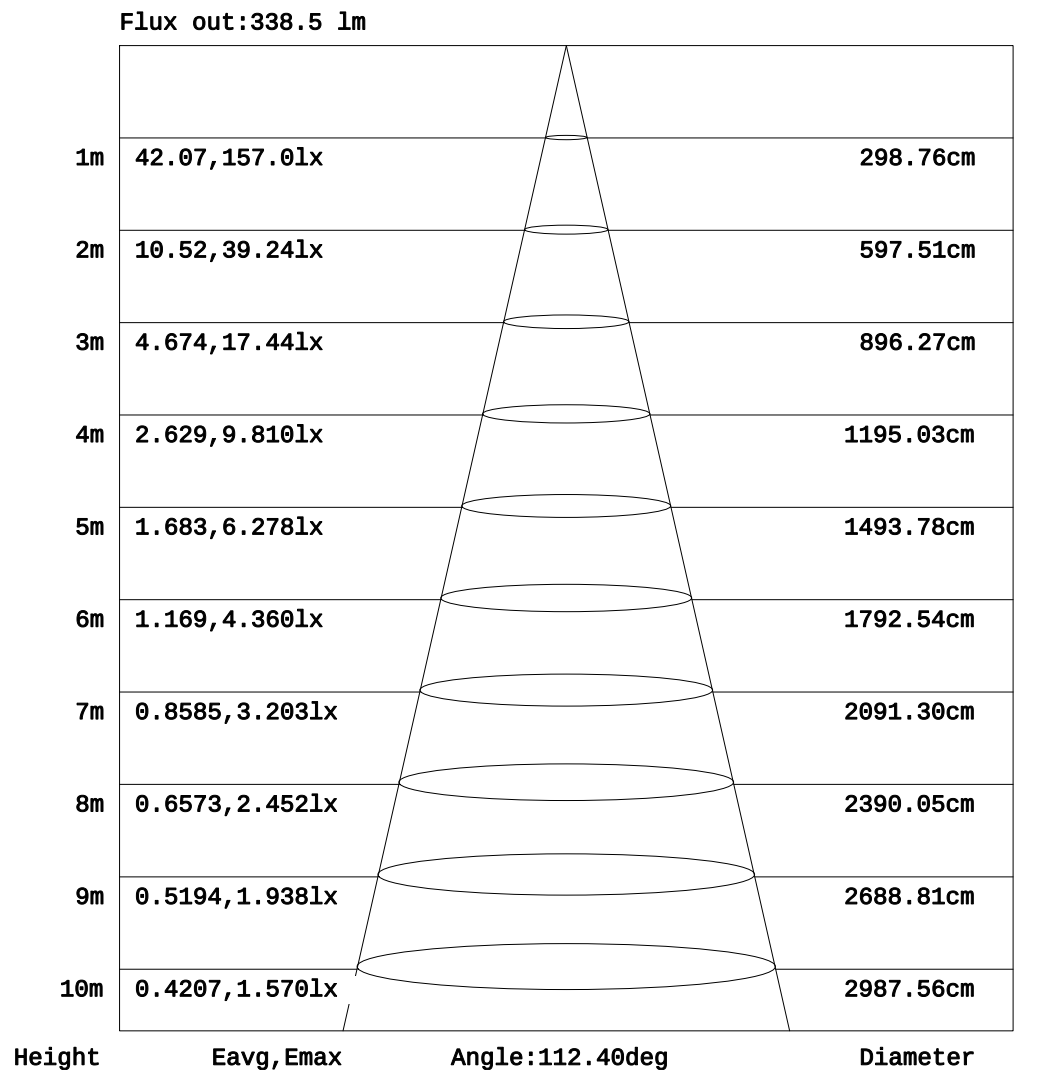


**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Dillon**  
**Test Date:22 July 2021**

**γ Range: 0 - 180DEG**  
**γ Interval: 2.0DEG**  
**Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.446**  
**Humidity:65.0%**  
**Test Distance:6.950m [K=1.0000]**  
**Remarks:**

### AAI Figure

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-83YBERGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | SERIAL No.:       |
| MFR.: CLEAR                                               | Shielding Angle:  |

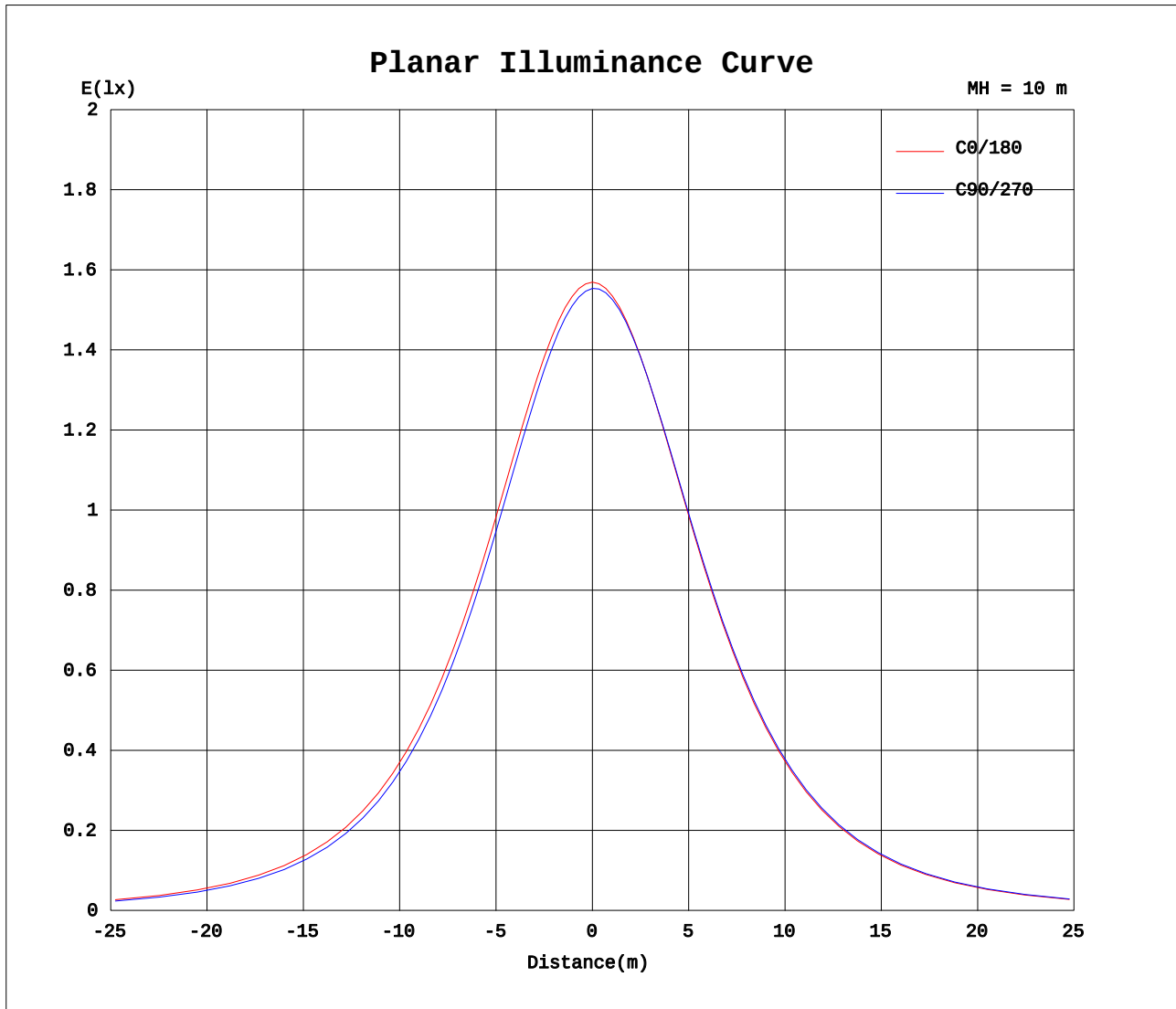


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Dillon  
 Test Date:22 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 2.0DEG  
 Test System:EVERFINE G0-2000B\_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: 22 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 6.950m [K=1.0000]  
 Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| NAME: C-SFR-F2222S12-HB-24CC-RGBW(40K)-WM-84-22W-8BYBERGB | WEIGHT: 0.590kg/m |
| SPEC.:                                                    | DIM.: 22*22mm     |
| MFR.: CLEAR                                               | SUR.: 22*1000mm   |
|                                                           | Shielding Angle:  |

Table--1

UNIT: cd

| C( DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                  | 157  | 157  | 156  | 155  | 157  | 157  | 157  | 157  | 156  | 155  | 157  | 157  |  |  |  |  |  |  |
| 5                  | 156  | 156  | 155  | 154  | 156  | 156  | 157  | 157  | 156  | 155  | 157  | 157  |  |  |  |  |  |  |
| 10                 | 154  | 153  | 152  | 151  | 153  | 153  | 154  | 155  | 154  | 154  | 155  | 155  |  |  |  |  |  |  |
| 15                 | 151  | 150  | 149  | 148  | 150  | 150  | 152  | 152  | 152  | 151  | 153  | 152  |  |  |  |  |  |  |
| 20                 | 146  | 144  | 143  | 141  | 143  | 144  | 146  | 147  | 147  | 146  | 147  | 147  |  |  |  |  |  |  |
| 25                 | 141  | 139  | 138  | 136  | 138  | 139  | 141  | 142  | 143  | 142  | 143  | 142  |  |  |  |  |  |  |
| 30                 | 132  | 131  | 129  | 127  | 129  | 130  | 133  | 134  | 135  | 134  | 135  | 134  |  |  |  |  |  |  |
| 35                 | 126  | 124  | 122  | 120  | 122  | 124  | 126  | 128  | 129  | 127  | 128  | 127  |  |  |  |  |  |  |
| 40                 | 115  | 113  | 111  | 108  | 110  | 112  | 115  | 117  | 118  | 117  | 118  | 117  |  |  |  |  |  |  |
| 45                 | 107  | 104  | 103  | 100  | 102  | 104  | 107  | 109  | 110  | 109  | 110  | 109  |  |  |  |  |  |  |
| 50                 | 93.7 | 91.6 | 89.8 | 87.0 | 89.2 | 91.4 | 94.6 | 96.5 | 97.3 | 96.4 | 97.1 | 96.1 |  |  |  |  |  |  |
| 55                 | 84.7 | 82.6 | 80.9 | 78.0 | 80.1 | 82.6 | 85.8 | 87.6 | 88.4 | 87.5 | 88.2 | 87.1 |  |  |  |  |  |  |
| 60                 | 70.7 | 68.9 | 67.2 | 64.3 | 66.4 | 68.8 | 72.0 | 73.8 | 74.6 | 73.8 | 74.3 | 73.2 |  |  |  |  |  |  |
| 65                 | 61.2 | 59.5 | 57.9 | 55.0 | 57.1 | 59.5 | 62.5 | 64.3 | 65.2 | 64.4 | 64.8 | 63.7 |  |  |  |  |  |  |
| 70                 | 46.5 | 45.1 | 43.6 | 40.9 | 42.7 | 45.1 | 48.1 | 49.9 | 50.8 | 50.1 | 50.4 | 49.1 |  |  |  |  |  |  |
| 75                 | 36.6 | 35.3 | 33.9 | 31.3 | 33.1 | 35.3 | 38.2 | 40.1 | 40.9 | 40.3 | 40.5 | 39.2 |  |  |  |  |  |  |
| 80                 | 21.3 | 20.3 | 19.1 | 16.8 | 18.3 | 20.4 | 23.1 | 24.9 | 26.0 | 25.5 | 25.5 | 24.0 |  |  |  |  |  |  |
| 85                 | 11.4 | 10.5 | 9.64 | 7.50 | 8.86 | 10.7 | 13.1 | 14.9 | 16.0 | 15.6 | 15.6 | 13.9 |  |  |  |  |  |  |
| 90                 | 1.03 | 1.64 | 2.02 | 0.31 | 1.25 | 1.81 | 1.91 | 2.63 | 3.22 | 2.98 | 2.92 | 1.83 |  |  |  |  |  |  |
| 95                 | 1.04 | 1.56 | 1.89 | 0.19 | 1.05 | 1.68 | 1.89 | 1.78 | 1.30 | 0.78 | 1.16 | 1.10 |  |  |  |  |  |  |
| 100                | 0.98 | 1.44 | 1.79 | 0.11 | 0.90 | 1.54 | 1.86 | 1.67 | 1.14 | 0.64 | 1.08 | 1.06 |  |  |  |  |  |  |
| 105                | 0.97 | 1.43 | 1.66 | 0.09 | 0.79 | 1.47 | 1.79 | 1.59 | 1.06 | 0.56 | 1.01 | 1.10 |  |  |  |  |  |  |
| 110                | 1.00 | 1.32 | 1.49 | 0.05 | 0.68 | 1.31 | 1.68 | 1.18 | 0.98 | 0.50 | 0.98 | 0.74 |  |  |  |  |  |  |
| 115                | 1.08 | 1.33 | 1.35 | 0.07 | 0.59 | 1.27 | 1.61 | 1.17 | 0.91 | 0.42 | 0.92 | 0.79 |  |  |  |  |  |  |
| 120                | 1.14 | 1.31 | 1.11 | 0.04 | 0.47 | 1.19 | 1.48 | 1.08 | 0.30 | 0.05 | 0.39 | 0.82 |  |  |  |  |  |  |
| 125                | 1.15 | 1.29 | 1.02 | 0.03 | 0.47 | 1.13 | 1.41 | 1.05 | 0.32 | 0.00 | 0.40 | 0.82 |  |  |  |  |  |  |
| 130                | 1.14 | 1.27 | 0.94 | 0.05 | 0.47 | 1.04 | 1.30 | 0.95 | 0.36 | 0.05 | 0.45 | 0.84 |  |  |  |  |  |  |
| 135                | 1.12 | 1.22 | 0.90 | 0.08 | 0.47 | 0.99 | 1.17 | 0.90 | 0.35 | 0.03 | 0.44 | 0.87 |  |  |  |  |  |  |
| 140                | 1.06 | 1.15 | 0.86 | 0.11 | 0.44 | 0.91 | 1.06 | 0.83 | 0.36 | 0.07 | 0.34 | 0.83 |  |  |  |  |  |  |
| 145                | 1.04 | 1.09 | 0.84 | 0.12 | 0.44 | 0.81 | 1.00 | 0.76 | 0.35 | 0.10 | 0.28 | 0.86 |  |  |  |  |  |  |
| 150                | 0.95 | 1.01 | 0.74 | 0.17 | 0.45 | 0.74 | 0.85 | 0.69 | 0.35 | 0.13 | 0.22 | 0.81 |  |  |  |  |  |  |
| 155                | 0.91 | 0.92 | 0.69 | 0.21 | 0.41 | 0.67 | 0.76 | 0.62 | 0.34 | 0.17 | 0.20 | 0.78 |  |  |  |  |  |  |
| 160                | 0.83 | 0.82 | 0.65 | 0.26 | 0.42 | 0.56 | 0.64 | 0.52 | 0.36 | 0.23 | 0.23 | 0.73 |  |  |  |  |  |  |
| 165                | 0.75 | 0.77 | 0.60 | 0.29 | 0.38 | 0.52 | 0.55 | 0.50 | 0.36 | 0.26 | 0.25 | 0.70 |  |  |  |  |  |  |
| 170                | 0.66 | 0.65 | 0.54 | 0.34 | 0.34 | 0.44 | 0.46 | 0.41 | 0.35 | 0.32 | 0.30 | 0.65 |  |  |  |  |  |  |
| 175                | 0.59 | 0.59 | 0.48 | 0.38 | 0.34 | 0.39 | 0.39 | 0.38 | 0.36 | 0.37 | 0.31 | 0.59 |  |  |  |  |  |  |
| 180                | 0.43 | 0.44 | 0.41 | 0.40 | 0.35 | 0.44 | 0.41 | 0.42 | 0.43 | 0.40 | 0.34 | 0.44 |  |  |  |  |  |  |

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