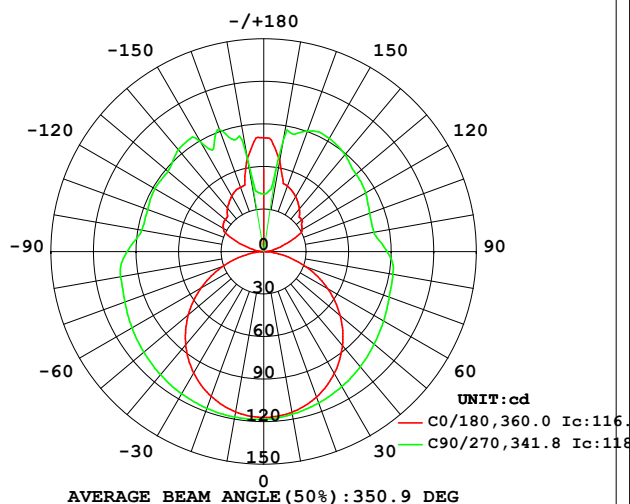


## LUMINAIRE PHOTOMETRIC TEST REPORT

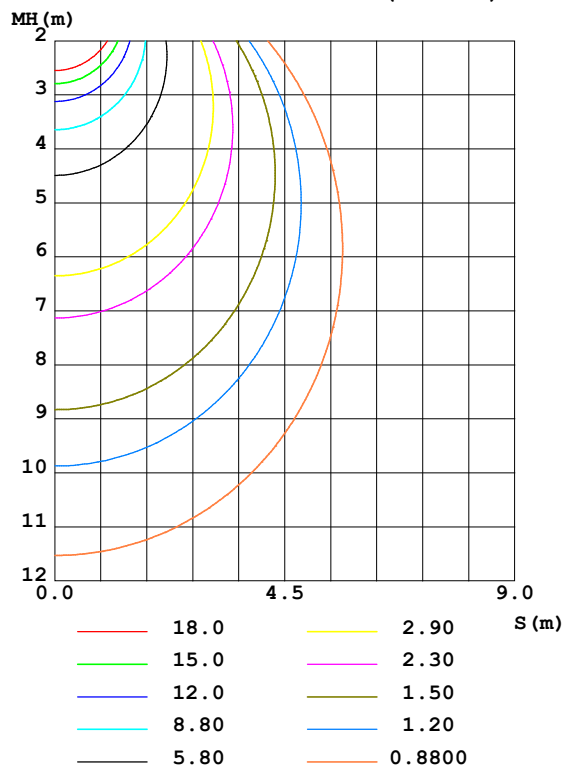
|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |

| DATA OF LAMP      |         | PHOTOMETRIC DATA      |         |                     |            | Eff: 64.29 lm/W |
|-------------------|---------|-----------------------|---------|---------------------|------------|-----------------|
| MODEL             | --      | I <sub>max</sub> (cd) | 118.9   | S/MH (C0/180)       | 1.26       |                 |
| NOMINAL POWER (W) | --      | LOR (%)               | 100.0   | S/MH (C90/270)      | 1.49       |                 |
| RATED VOLTAGE (V) | --      | TOTAL FLUX (lm)       | 880.19  | η UP, DN (C0-180)   | 20.4, 28.2 |                 |
| NOMINAL FLUX (lm) | 880.186 | CIE CLASS             | DIFFUSE | η UP, DN (C180-360) | 21.5, 29.9 |                 |
| LAMPS INSIDE      | 1       | η up (%)              | 41.9    | CIBSE SHR NOM       | 1.50       |                 |
| TEST VOLTAGE (V)  | --      | η down (%)            | 58.1    | CIBSE SHR MAX       | 1.55       |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180   | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10       | 115.0                 | 115.2 | 116.5 | 116.6 | 114.9  | 116.7 | 118.4 | 117.6 | 0- 10    | 11.19       | 11.19        | 1.27,1.27 |
| 20       | 109.1                 | 110.5 | 113.6 | 112.1 | 108.7  | 113.6 | 117.6 | 114.3 | 10- 20   | 32.47       | 43.66        | 4.96,4.96 |
| 30       | 99.39                 | 103.7 | 110.1 | 105.4 | 98.87  | 108.1 | 115.8 | 108.7 | 20- 30   | 50.68       | 94.34        | 10.7,10.7 |
| 40       | 86.44                 | 95.27 | 106.0 | 96.97 | 85.72  | 100.8 | 113.3 | 101.4 | 30- 40   | 64.31       | 158.7        | 18,18     |
| 50       | 70.45                 | 85.85 | 101.7 | 87.51 | 69.55  | 92.15 | 110.4 | 92.78 | 40- 50   | 72.49       | 231.1        | 26.3,26.3 |
| 60       | 52.03                 | 76.26 | 97.70 | 77.87 | 50.86  | 83.23 | 107.3 | 83.80 | 50- 60   | 75.16       | 306.3        | 34.8,34.8 |
| 70       | 31.95                 | 67.75 | 94.17 | 69.28 | 30.67  | 74.94 | 104.2 | 75.49 | 60- 70   | 73.16       | 379.5        | 43.1,43.1 |
| 80       | 12.39                 | 62.11 | 92.48 | 63.49 | 11.31  | 68.88 | 102.5 | 69.33 | 70- 80   | 68.40       | 447.9        | 50.9,50.9 |
| 90       | 1.365                 | 56.93 | 87.19 | 56.74 | 0.9858 | 61.89 | 96.47 | 62.86 | 80- 90   | 63.42       | 511.3        | 58.1,58.1 |
| 100      | 6.236                 | 48.52 | 78.98 | 48.47 | 6.266  | 52.63 | 87.47 | 52.09 | 90-100   | 54.03       | 565.3        | 64.2,64.2 |
| 110      | 17.57                 | 51.32 | 79.55 | 51.31 | 19.54  | 55.46 | 87.08 | 55.75 | 100-110  | 51.80       | 617.1        | 70.1,70.1 |
| 120      | 31.21                 | 56.65 | 83.08 | 56.85 | 32.86  | 60.00 | 88.79 | 59.69 | 110-120  | 54.56       | 671.7        | 76.3,76.3 |
| 130      | 34.95                 | 67.50 | 85.09 | 68.92 | 35.32  | 69.19 | 88.26 | 71.78 | 120-130  | 55.07       | 726.7        | 82.6,82.6 |
| 140      | 39.27                 | 75.15 | 89.27 | 75.14 | 39.92  | 76.53 | 93.79 | 77.80 | 130-140  | 52.11       | 778.8        | 88.5,88.5 |
| 150      | 45.06                 | 76.21 | 92.27 | 59.22 | 45.28  | 60.45 | 89.20 | 78.30 | 140-150  | 44.00       | 822.9        | 93.5,93.5 |
| 160      | 49.18                 | 82.05 | 90.43 | 49.12 | 48.36  | 51.43 | 91.56 | 81.20 | 150-160  | 31.96       | 854.8        | 97.1,97.1 |
| 170      | 65.41                 | 86.81 | 80.54 | 51.41 | 66.80  | 53.53 | 66.59 | 87.02 | 160-170  | 18.76       | 873.6        | 99.2,99.2 |
| 180      | 80.32                 | 79.99 | 40.77 | 79.35 | 80.16  | 80.00 | 40.80 | 79.33 | 170-180  | 6.609       | 880.2        | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |        |       |       |       |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 194.23 lm

%lum = 22.1%

%lamp = 22.1%

Conical surface Flux(120deg): 306.31 lm

%lum = 34.8%

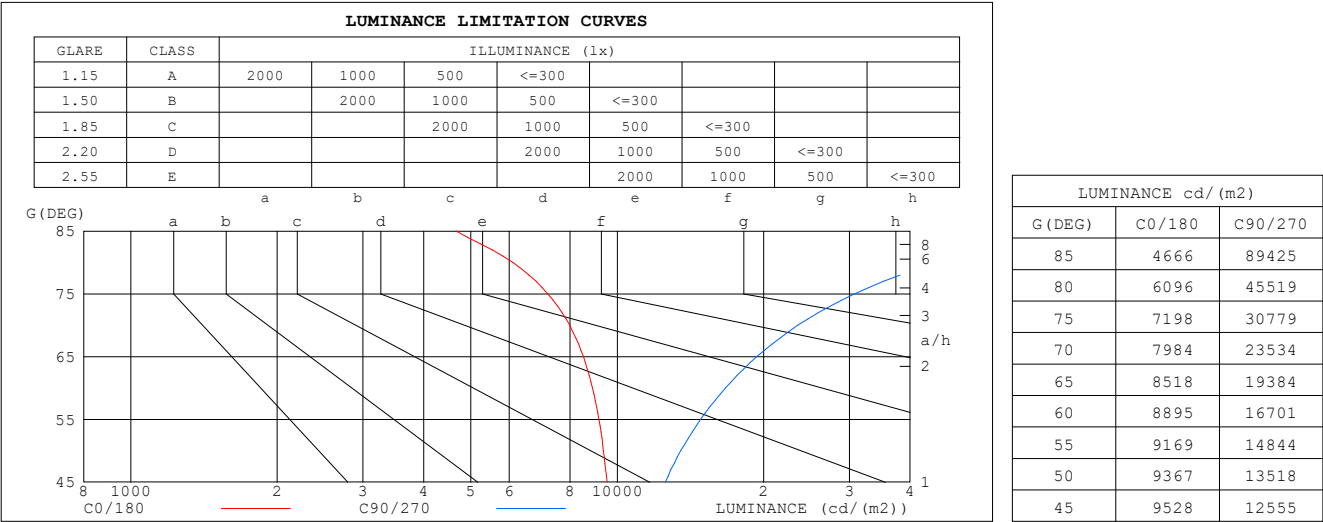
%lamp = 34.8%

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

LUMINANCE LIMITATION CURVES

|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

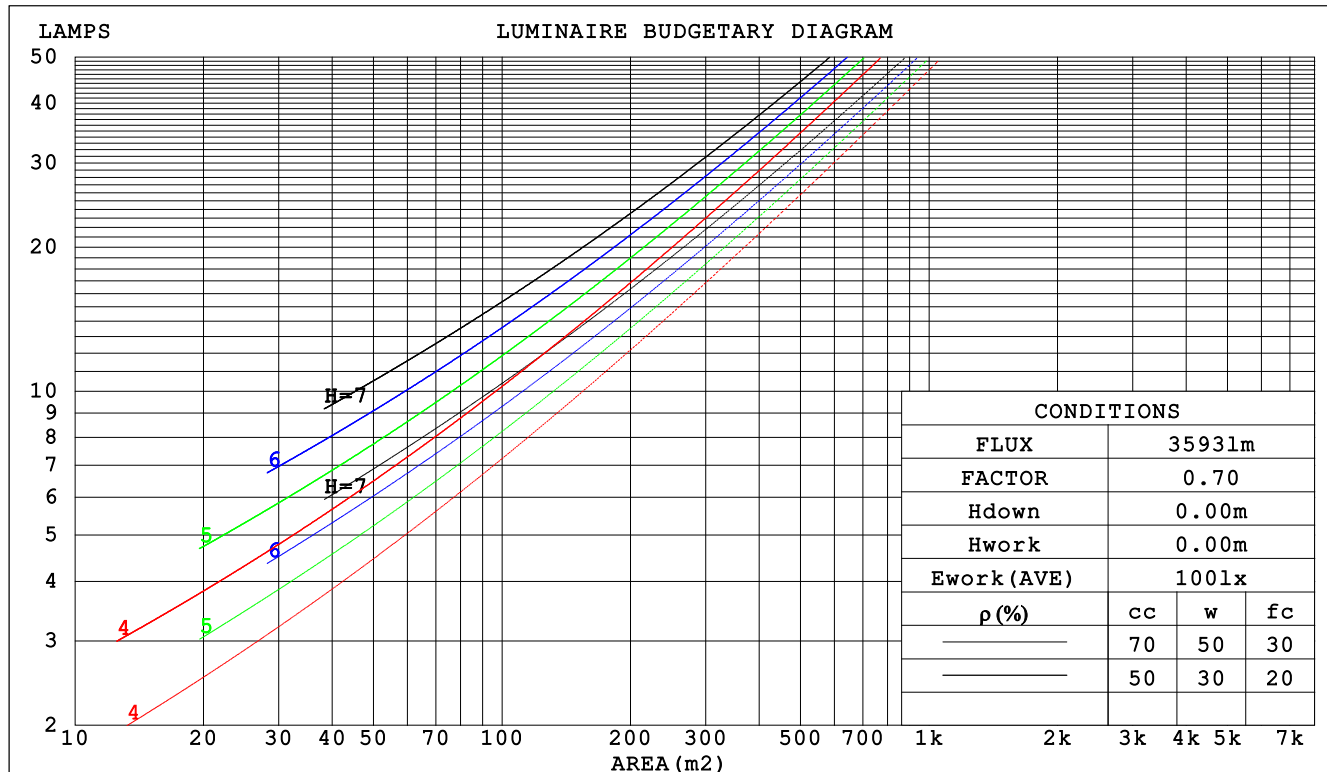
## GONIOPHOTOMETERS SYSTEM TEST REPORT

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## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |

| $\rho_{cc}$ | 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 |      |      |      |      |      | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0         | 1.09                  | 1.09 | 1.09 | 1.02 | 1.02 | 1.02 | .88                             | .88 | .88 | .75 | .75 | .75 | .64 | .64 | .64 | .58 |
| 1.0         | .90                   | .85  | .81  | .84  | .79  | .75  | .72                             | .69 | .65 | .61 | .58 | .56 | .51 | .49 | .47 | .42 |
| 2.0         | .77                   | .70  | .63  | .72  | .65  | .59  | .61                             | .56 | .52 | .52 | .48 | .44 | .43 | .40 | .37 | .33 |
| 3.0         | .67                   | .58  | .51  | .62  | .55  | .48  | .53                             | .47 | .42 | .45 | .40 | .36 | .37 | .34 | .31 | .27 |
| 4.0         | .59                   | .50  | .43  | .55  | .46  | .40  | .47                             | .40 | .35 | .40 | .34 | .30 | .33 | .29 | .26 | .22 |
| 5.0         | .52                   | .43  | .36  | .48  | .40  | .34  | .42                             | .35 | .30 | .35 | .30 | .26 | .29 | .25 | .22 | .19 |
| 6.0         | .46                   | .37  | .31  | .43  | .35  | .29  | .37                             | .31 | .26 | .32 | .26 | .22 | .26 | .22 | .19 | .16 |
| 7.0         | .42                   | .33  | .27  | .39  | .31  | .25  | .34                             | .27 | .22 | .29 | .23 | .19 | .24 | .20 | .17 | .14 |
| 8.0         | .38                   | .29  | .24  | .35  | .28  | .22  | .31                             | .24 | .20 | .26 | .21 | .17 | .22 | .18 | .15 | .12 |
| 9.0         | .34                   | .26  | .21  | .32  | .25  | .20  | .28                             | .22 | .18 | .24 | .19 | .15 | .20 | .16 | .13 | .11 |
| 10.0        | .32                   | .24  | .19  | .30  | .22  | .18  | .26                             | .20 | .16 | .22 | .17 | .14 | .19 | .15 | .12 | .10 |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

# GONIOPHOTOMETERS SYSTEM TEST REPORT

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## WEC AND CCEC

|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |

| 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  | .374                  | .213 | .067 | .354 | .202 | .064 | .317                             | .182 | .058 | .282 | .163 | .052 | .251 | .145 | .047 |   |
| 2.0  | .321                  | .176 | .054 | .303 | .167 | .051 | .269                             | .149 | .046 | .237 | .133 | .042 | .208 | .118 | .037 |   |
| 3.0  | .284                  | .151 | .045 | .267 | .143 | .043 | .236                             | .128 | .039 | .208 | .114 | .035 | .181 | .100 | .031 |   |
| 4.0  | .255                  | .133 | .039 | .240 | .126 | .037 | .212                             | .112 | .034 | .186 | .100 | .030 | .161 | .087 | .027 |   |
| 5.0  | .232                  | .118 | .034 | .218 | .112 | .033 | .192                             | .100 | .029 | .168 | .089 | .026 | .145 | .078 | .023 |   |
| 6.0  | .213                  | .107 | .031 | .200 | .101 | .029 | .176                             | .090 | .026 | .154 | .080 | .023 | .133 | .070 | .021 |   |
| 7.0  | .196                  | .097 | .028 | .185 | .092 | .026 | .162                             | .082 | .024 | .142 | .073 | .021 | .122 | .063 | .019 |   |
| 8.0  | .182                  | .089 | .025 | .171 | .084 | .024 | .151                             | .075 | .022 | .131 | .067 | .019 | .113 | .058 | .017 |   |
| 9.0  | .170                  | .082 | .023 | .160 | .078 | .022 | .141                             | .070 | .020 | .123 | .061 | .018 | .105 | .054 | .015 |   |
| 10.0 | .159                  | .076 | .021 | .150 | .072 | .020 | .132                             | .065 | .018 | .115 | .057 | .016 | .099 | .050 | .014 |   |

| 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  | .510                  | .510 | .510 | .436 | .436 | .436 | .297                                       | .297 | .297 | .171 | .171 | .171 | .055 | .055 | .055 |   |
| 1.0  | .507                  | .478 | .451 | .434 | .410 | .388 | .297                                       | .282 | .269 | .171 | .163 | .156 | .055 | .053 | .051 |   |
| 2.0  | .500                  | .456 | .419 | .428 | .392 | .362 | .294                                       | .272 | .252 | .169 | .158 | .148 | .054 | .051 | .048 |   |
| 3.0  | .493                  | .440 | .398 | .423 | .380 | .345 | .290                                       | .264 | .242 | .168 | .154 | .143 | .054 | .050 | .047 |   |
| 4.0  | .486                  | .428 | .385 | .417 | .370 | .334 | .287                                       | .258 | .235 | .166 | .151 | .139 | .053 | .049 | .046 |   |
| 5.0  | .478                  | .419 | .375 | .411 | .363 | .327 | .283                                       | .253 | .231 | .164 | .149 | .137 | .053 | .049 | .045 |   |
| 6.0  | .471                  | .412 | .369 | .405 | .356 | .321 | .280                                       | .250 | .227 | .162 | .147 | .135 | .052 | .048 | .045 |   |
| 7.0  | .465                  | .405 | .364 | .400 | .351 | .317 | .276                                       | .246 | .225 | .160 | .145 | .134 | .052 | .048 | .044 |   |
| 8.0  | .458                  | .400 | .360 | .395 | .347 | .314 | .273                                       | .244 | .223 | .159 | .144 | .133 | .051 | .047 | .044 |   |
| 9.0  | .452                  | .396 | .357 | .390 | .343 | .312 | .270                                       | .241 | .221 | .157 | .143 | .132 | .051 | .047 | .044 |   |
| 10.0 | .447                  | .392 | .355 | .385 | .340 | .310 | .267                                       | .239 | .220 | .156 | .141 | .131 | .051 | .046 | .044 |   |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

# GONIOPHOTOMETERS SYSTEM TEST REPORT

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## UGR(Unified Glare Rating) Table

|                                                                                 |                  |      |      |      |            |                |      |                            |      |      |
|---------------------------------------------------------------------------------|------------------|------|------|------|------------|----------------|------|----------------------------|------|------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |                  |      |      |      |            |                |      |                            |      |      |
| NAME: --                                                                        |                  |      |      |      | TYPE:--    |                |      | SERIAL No.:FTS23041301L-01 |      |      |
| SPEC.:RSKS0524L30D1(C22001D)                                                    |                  |      |      |      | DIM.: --   |                |      |                            |      |      |
| MFR.:                                                                           |                  |      |      |      | SUR.:585mm |                |      |                            |      |      |
| 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                                                                   | 17.1             | 18.2 | 17.9 | 19.0 | 20.0       | 19.9           | 21.0 | 20.7                       | 21.8 | 22.8 |
| 3H                                                                              | 18.6             | 19.6 | 19.4 | 20.4 | 21.4       | 23.0           | 24.0 | 23.8                       | 24.8 | 25.9 |
| 4H                                                                              | 19.1             | 20.1 | 19.9 | 20.9 | 22.0       | 24.8           | 25.7 | 25.6                       | 26.5 | 27.6 |
| 6H                                                                              | 19.5             | 20.4 | 20.3 | 21.2 | 22.3       | 26.8           | 27.7 | 27.6                       | 28.5 | 29.6 |
| 8H                                                                              | 19.6             | 20.4 | 20.4 | 21.3 | 22.4       | 27.9           | 28.7 | 28.7                       | 29.6 | 30.7 |
| 12H                                                                             | 19.6             | 20.4 | 20.5 | 21.3 | 22.4       | 29.2           | 30.0 | 30.0                       | 30.9 | 32.0 |
| 4H 2H                                                                           | 18.4             | 19.4 | 19.3 | 20.2 | 21.3       | 20.4           | 21.4 | 21.2                       | 22.2 | 23.2 |
| 3H                                                                              | 20.2             | 21.0 | 21.0 | 21.9 | 23.0       | 23.7           | 24.6 | 24.6                       | 25.4 | 26.5 |
| 4H                                                                              | 21.0             | 21.7 | 21.8 | 22.6 | 23.7       | 25.7           | 26.5 | 26.6                       | 27.3 | 28.5 |
| 6H                                                                              | 21.5             | 22.2 | 22.4 | 23.1 | 24.3       | 27.9           | 28.6 | 28.8                       | 29.5 | 30.7 |
| 8H                                                                              | 21.7             | 22.3 | 22.6 | 23.2 | 24.4       | 29.2           | 29.8 | 30.1                       | 30.8 | 31.9 |
| 12H                                                                             | 21.8             | 22.4 | 22.7 | 23.3 | 24.5       | 30.6           | 31.2 | 31.6                       | 32.1 | 33.3 |
| 8H 4H                                                                           | 22.4             | 23.1 | 23.4 | 24.0 | 25.2       | 26.0           | 26.6 | 26.9                       | 27.6 | 28.7 |
| 6H                                                                              | 23.5             | 24.0 | 24.5 | 25.0 | 26.2       | 28.6           | 29.1 | 29.5                       | 30.1 | 31.3 |
| 8H                                                                              | 24.0             | 24.4 | 24.9 | 25.4 | 26.6       | 30.1           | 30.6 | 31.0                       | 31.5 | 32.7 |
| 12H                                                                             | 24.3             | 24.7 | 25.3 | 25.7 | 26.9       | 31.8           | 32.2 | 32.8                       | 33.2 | 34.4 |
| 12H 4H                                                                          | 23.0             | 23.6 | 23.9 | 24.5 | 25.7       | 26.0           | 26.6 | 26.9                       | 27.5 | 28.7 |
| 6H                                                                              | 24.4             | 24.9 | 25.3 | 25.8 | 27.0       | 28.7           | 29.2 | 29.6                       | 30.1 | 31.3 |
| 8H                                                                              | 25.1             | 25.5 | 26.1 | 26.5 | 27.7       | 30.3           | 30.7 | 31.3                       | 31.7 | 32.9 |
| Variations with the observer position at spacings:                              |                  |      |      |      |            |                |      |                            |      |      |
| S = 1.0H                                                                        | + 0.1 / - 0.1    |      |      |      |            | + 0.1 / - 0.1  |      |                            |      |      |
| 1.5H                                                                            | + 0.2 / - 0.2    |      |      |      |            | + 0.2 / - 0.3  |      |                            |      |      |
| 2.0H                                                                            | + 0.2 / - 0.3    |      |      |      |            | + 0.3 / - 0.4  |      |                            |      |      |

CIE Pub.117, 880.2 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -0.4$ )

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

## UTILIZATION FACTORS TABLE

|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |

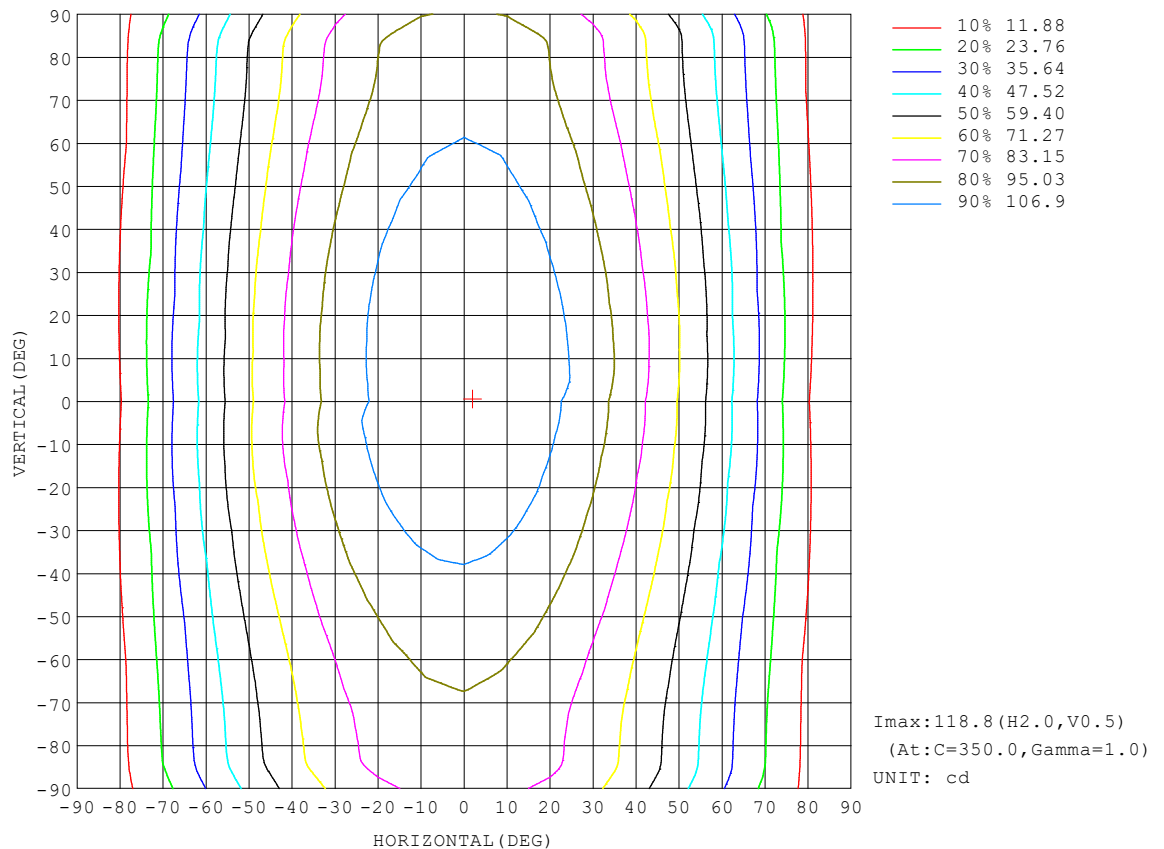
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 41                                                   | 29  | 22        | 39  | 28  | 22  | 36  | 26            | 20  | 13     |
| 0.80                             | 50                                                   | 37  | 29        | 47  | 36  | 28  | 43  | 33            | 26  | 17     |
| 1.00                             | 57                                                   | 44  | 36        | 54  | 42  | 35  | 48  | 40            | 32  | 21     |
| 1.25                             | 64                                                   | 51  | 43        | 61  | 49  | 41  | 54  | 44            | 37  | 25     |
| 1.50                             | 70                                                   | 57  | 48        | 65  | 54  | 46  | 57  | 48            | 42  | 27     |
| 2.00                             | 77                                                   | 65  | 57        | 72  | 62  | 54  | 63  | 55            | 49  | 32     |
| 2.50                             | 82                                                   | 71  | 63        | 76  | 67  | 60  | 66  | 59            | 53  | 35     |
| 3.00                             | 85                                                   | 76  | 68        | 80  | 71  | 64  | 69  | 63            | 57  | 37     |
| 4.00                             | 90                                                   | 82  | 75        | 84  | 77  | 71  | 73  | 67            | 63  | 41     |
| 5.00                             | 93                                                   | 86  | 80        | 87  | 81  | 75  | 75  | 70            | 66  | 43     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason Huang  
 Test Date:2023-04-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:13.486m [K=1.0000]  
 Remarks: ---

## ISOCANDELA DIAGRAM

|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |

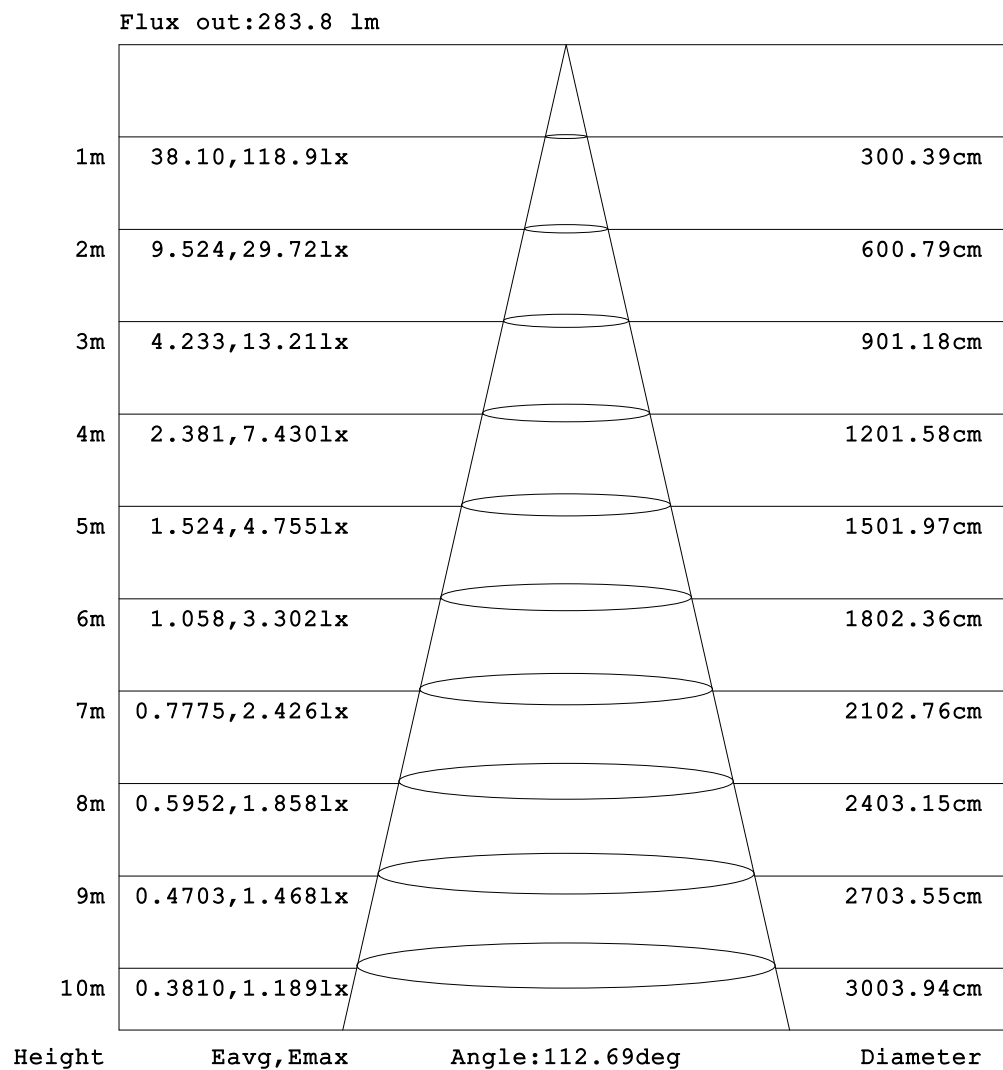


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

## AAI Figure

|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |



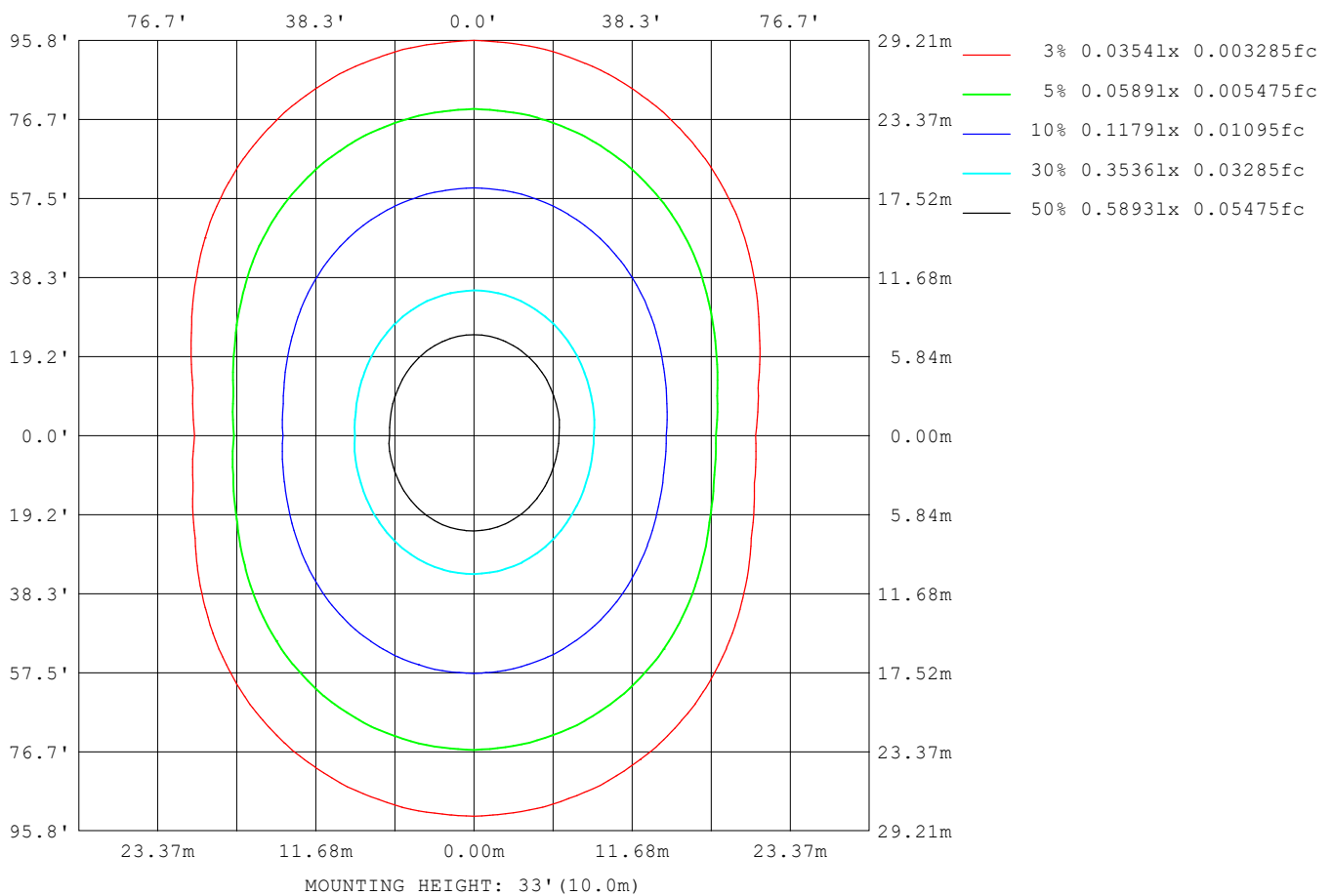
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason Huang  
 Test Date:2023-04-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:13.486m [K=1.0000]  
 Remarks: ---

## ISOLUX DIAGRAM

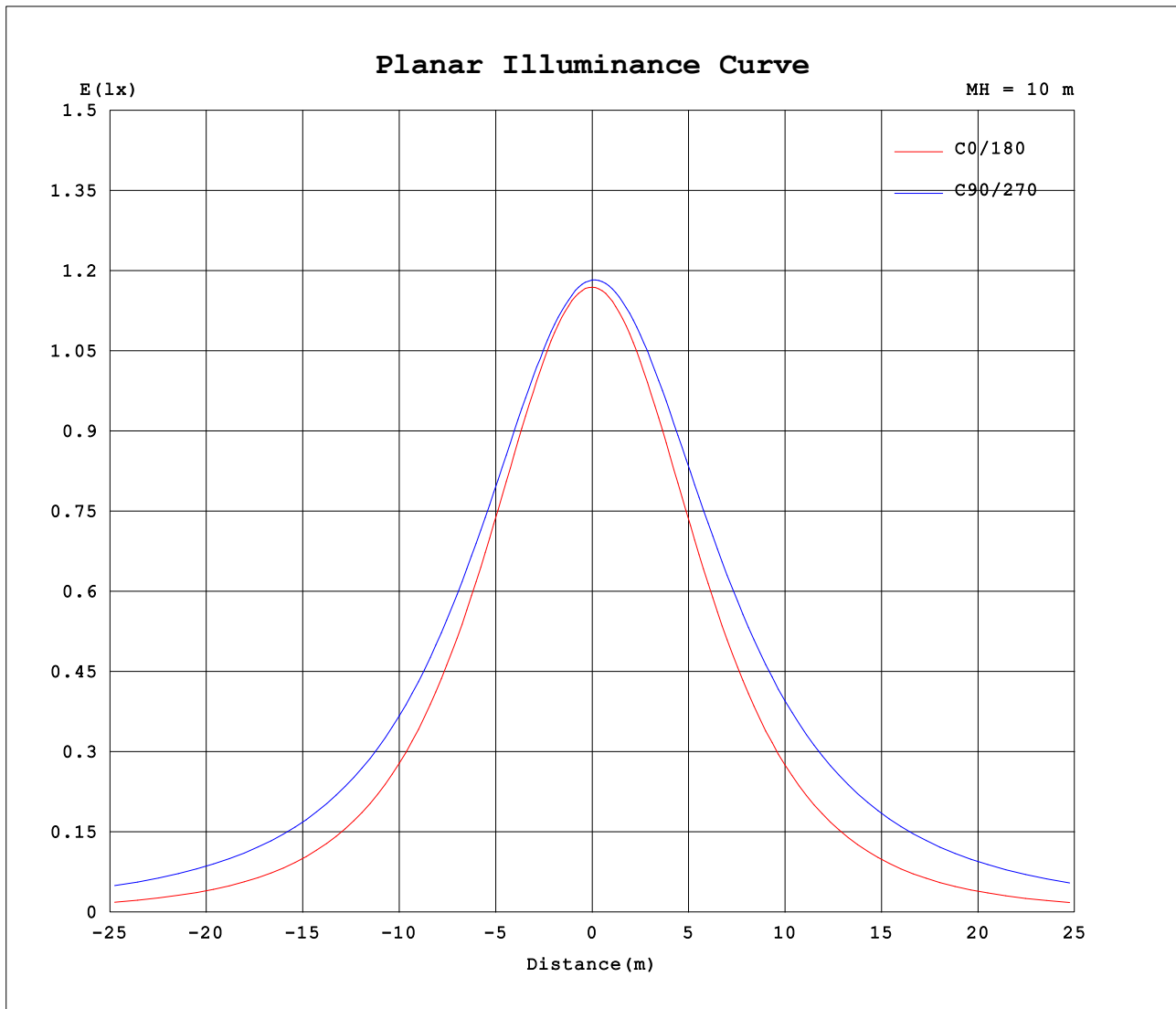
|                                                                                 |            |                            |
|---------------------------------------------------------------------------------|------------|----------------------------|
| Test:U:120.08V I:0.1168A P:13.69W PF:0.9761 Freq:60.00Hz Lamp Flux:880.186x1 lm |            |                            |
| NAME: --                                                                        | TYPE:--    | SERIAL No.:FTS23041301L-01 |
| SPEC.:RSKS0524L30D1 (C22001D)                                                   | DIM.: --   |                            |
| MFR.:                                                                           | SUR.:585mm |                            |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Huang  
Test Date:2023-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:13.486m [K=1.0000]  
Remarks: ---

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason Huang  
Test Date: 2023-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
Humidity: 65.0%  
Test Distance: 13.486m [K=1.0000]  
Remarks: ---