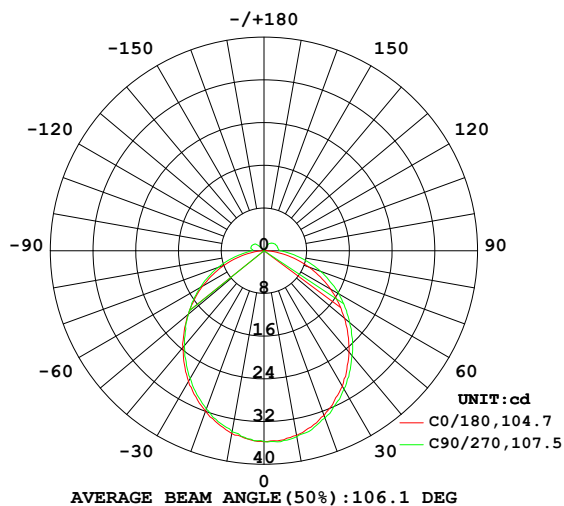


## LUMINAIRE PHOTOMETRIC TEST REPORT

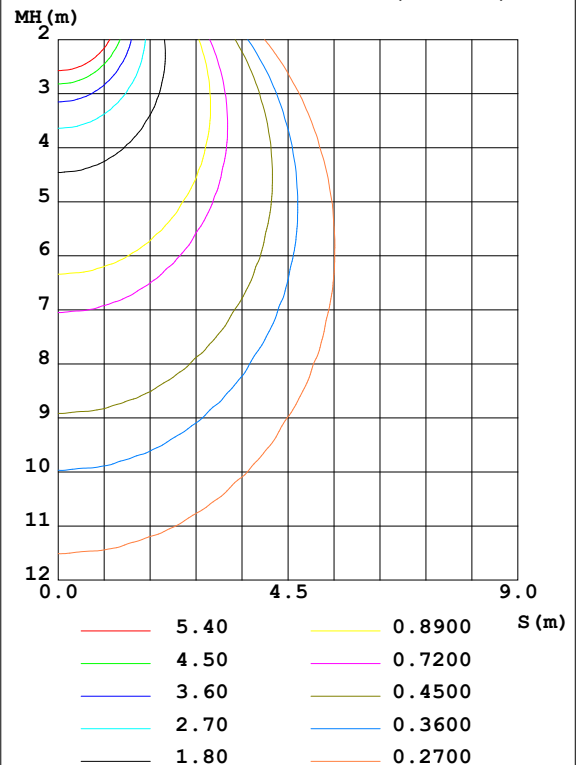
|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 77.01 lm/W |        |                     |           |
|-------------------|---------|----------------------------------|--------|---------------------|-----------|
| MODEL             |         | I <sub>max</sub> (cd)            | 35.90  | S/MH (C0/180)       | 1.18      |
| NOMINAL POWER (W) |         | LOR (%)                          | 100.0  | S/MH (C90/270)      | 1.16      |
| RATED VOLTAGE (V) |         | TOTAL FLUX (lm)                  | 103.88 | η UP, DN (C0-180)   | 3.3, 49.3 |
| NOMINAL FLUX (lm) | 103.872 | CIE CLASS                        | DIRECT | η UP, DN (C180-360) | 2.7, 44.8 |
| LAMPS INSIDE      | 1       | η up (%)                         | 5.9    | CIBSE SHR NOM       | 1.25      |
| TEST VOLTAGE (V)  |         | η down (%)                       | 94.1   | CIBSE SHR MAX       | 1.35      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JZ  
 Test Date: 2023-08-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity: 65.0%  
 Test Distance: 8.700m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

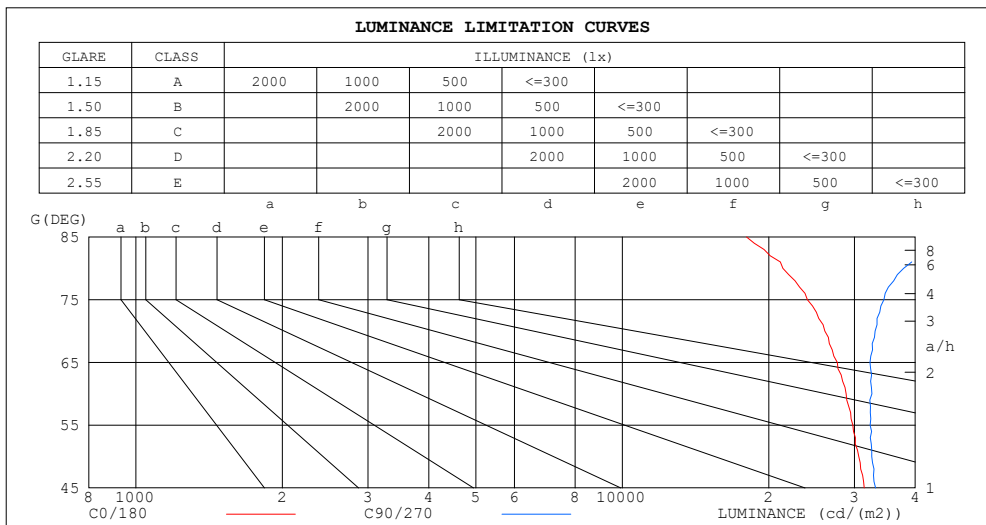
| $\gamma$ | C0                    | C90    | C180   | C270   |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 35.14                 | 35.36  | 34.75  | 34.42  |  |  |  |  | 0- 10    | 3.370       | 3.370        | 3.24,3.24  |
| 20       | 32.86                 | 33.36  | 32.01  | 31.54  |  |  |  |  | 10- 20   | 9.531       | 12.90        | 12.4,12.4  |
| 30       | 29.30                 | 29.94  | 28.27  | 27.62  |  |  |  |  | 20- 30   | 14.15       | 27.05        | 26,26      |
| 40       | 24.79                 | 25.64  | 23.61  | 23.22  |  |  |  |  | 30- 40   | 16.65       | 43.70        | 42.1,42.1  |
| 50       | 19.69                 | 20.93  | 18.47  | 18.44  |  |  |  |  | 40- 50   | 16.90       | 60.60        | 58.3,58.3  |
| 60       | 14.43                 | 16.29  | 13.34  | 13.86  |  |  |  |  | 50- 60   | 15.14       | 75.74        | 72.9,72.9  |
| 70       | 8.923                 | 11.31  | 7.986  | 9.130  |  |  |  |  | 60- 70   | 11.75       | 87.48        | 84.2,84.2  |
| 80       | 3.712                 | 6.573  | 2.914  | 4.806  |  |  |  |  | 70- 80   | 7.242       | 94.73        | 91.2,91.2  |
| 90       | 0.2849                | 3.140  | 0.1224 | 2.378  |  |  |  |  | 80- 90   | 2.984       | 97.71        | 94.1,94.1  |
| 100      | 0.0493                | 2.674  | 0.0616 | 2.488  |  |  |  |  | 90-100   | 1.422       | 99.13        | 95.4,95.4  |
| 110      | 0.0493                | 2.599  | 0.0740 | 2.519  |  |  |  |  | 100-110  | 1.396       | 100.5        | 96.8,96.8  |
| 120      | 0.0493                | 2.463  | 0.0985 | 2.304  |  |  |  |  | 110-120  | 1.270       | 101.8        | 98,98      |
| 130      | 0.0493                | 2.192  | 0.1170 | 1.898  |  |  |  |  | 120-130  | 1.045       | 102.8        | 99,99      |
| 140      | 0.0493                | 1.822  | 0.1476 | 0.1480 |  |  |  |  | 130-140  | 0.6055      | 103.4        | 99.6,99.6  |
| 150      | 0.0982                | 0.9216 | 0.1631 | 0.1479 |  |  |  |  | 140-150  | 0.3009      | 103.7        | 99.9,99.9  |
| 160      | 0.0862                | 0.1439 | 0.1714 | 0.1478 |  |  |  |  | 150-160  | 0.0807      | 103.8        | 99.9,100   |
| 170      | 0.1442                | 0.1127 | 0.1722 | 0.1478 |  |  |  |  | 160-170  | 0.0400      | 103.9        | 100,100    |
| 180      | 0.1601                | 0.1601 | 0.1724 | 0.1601 |  |  |  |  | 170-180  | 0.0145      | 103.9        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |  |  |  |  |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 18000  | 52244   |
| 80                | 21378  | 37854   |
| 75                | 24010  | 34485   |
| 70                | 26089  | 33082   |
| 65                | 27669  | 32282   |
| 60                | 28854  | 32579   |
| 55                | 29771  | 32311   |
| 50                | 30629  | 32567   |
| 45                | 31430  | 33157   |

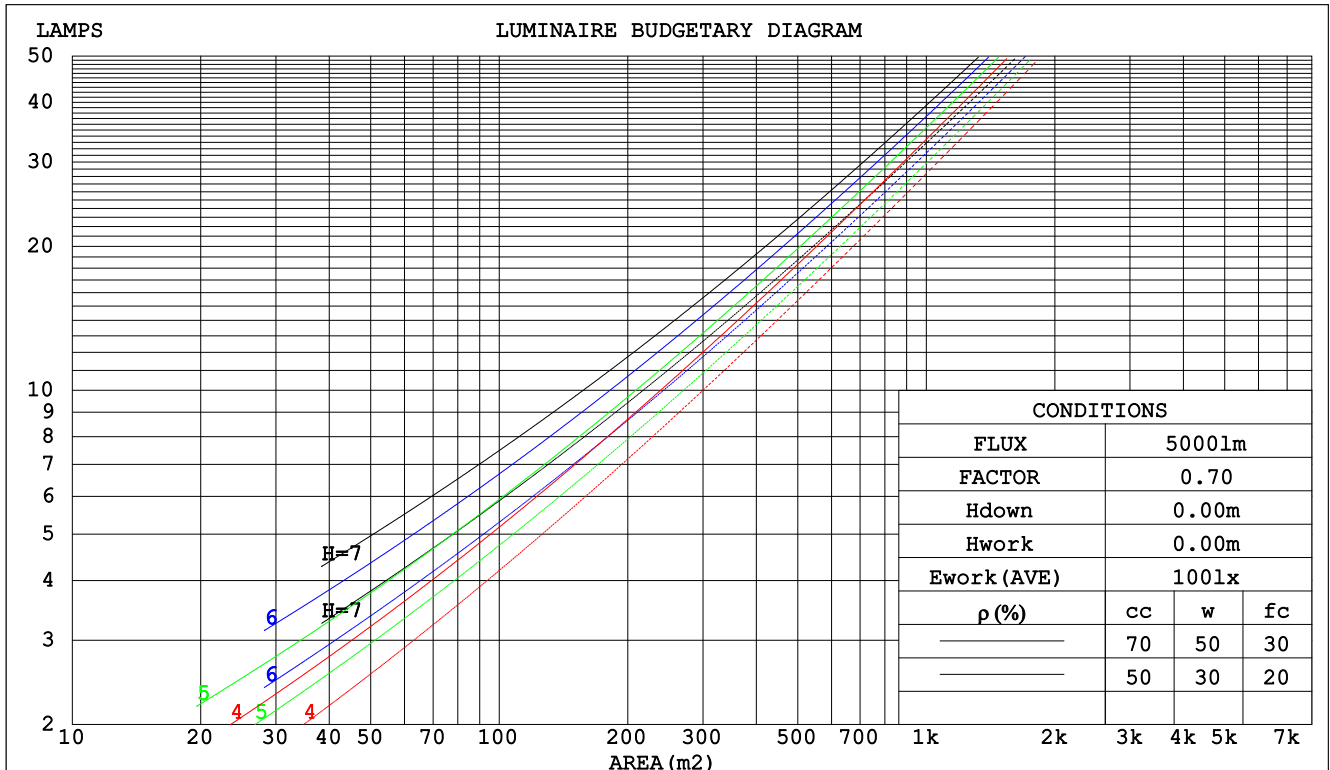
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10% |     |     | 0   |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50% | 30% | 10% | 0   |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20% |     |     | 0   |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |     |     |     |     |
| 0.0  | 1.18                  | 1.18 | 1.18 | 1.14 | 1.14 | 1.14 | 1.08                            | 1.08 | 1.08 | 1.02 | 1.02 | 1.02 | .97 | .97 | .97 | .94 |
| 1.0  | 1.02                  | .98  | .94  | .99  | .95  | .92  | .94                             | .91  | .88  | .89  | .86  | .84  | .84 | .82 | .80 | .78 |
| 2.0  | .89                   | .82  | .76  | .86  | .80  | .75  | .82                             | .77  | .72  | .78  | .73  | .70  | .74 | .70 | .67 | .65 |
| 3.0  | .78                   | .70  | .63  | .76  | .68  | .62  | .72                             | .66  | .60  | .69  | .63  | .59  | .65 | .61 | .57 | .54 |
| 4.0  | .69                   | .60  | .54  | .67  | .59  | .53  | .64                             | .57  | .51  | .61  | .55  | .50  | .58 | .53 | .49 | .46 |
| 5.0  | .62                   | .53  | .46  | .60  | .52  | .46  | .57                             | .50  | .45  | .55  | .48  | .44  | .52 | .47 | .43 | .40 |
| 6.0  | .56                   | .47  | .40  | .54  | .46  | .40  | .52                             | .45  | .39  | .50  | .43  | .38  | .48 | .42 | .37 | .35 |
| 7.0  | .50                   | .42  | .36  | .49  | .41  | .35  | .47                             | .40  | .35  | .45  | .39  | .34  | .43 | .38 | .33 | .31 |
| 8.0  | .46                   | .38  | .32  | .45  | .37  | .31  | .43                             | .36  | .31  | .42  | .35  | .30  | .40 | .34 | .30 | .28 |
| 9.0  | .42                   | .34  | .29  | .41  | .34  | .28  | .40                             | .33  | .28  | .38  | .32  | .27  | .37 | .31 | .27 | .25 |
| 10.0 | .39                   | .31  | .26  | .38  | .31  | .26  | .37                             | .30  | .25  | .36  | .29  | .25  | .34 | .29 | .25 | .23 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

### WEC AND CCEC

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | 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  | .318                  | .181 | .057 | .309 | .176 | .056 | .293                            | .168 | .054 | .277 | .160 | .051 | .263 | .153 | .049 |   |  |
| 2.0  | .294                  | .161 | .049 | .286 | .158 | .049 | .271                            | .151 | .047 | .257 | .144 | .045 | .245 | .138 | .044 |   |  |
| 3.0  | .270                  | .144 | .043 | .263 | .141 | .042 | .250                            | .135 | .041 | .237 | .130 | .040 | .226 | .125 | .039 |   |  |
| 4.0  | .248                  | .129 | .038 | .242 | .126 | .037 | .230                            | .122 | .036 | .219 | .118 | .035 | .209 | .113 | .035 |   |  |
| 5.0  | .229                  | .117 | .034 | .223 | .115 | .033 | .212                            | .111 | .033 | .202 | .107 | .032 | .193 | .103 | .031 |   |  |
| 6.0  | .212                  | .106 | .030 | .207 | .104 | .030 | .197                            | .101 | .029 | .188 | .098 | .029 | .180 | .095 | .028 |   |  |
| 7.0  | .197                  | .097 | .028 | .192 | .096 | .027 | .184                            | .093 | .027 | .176 | .090 | .026 | .168 | .087 | .026 |   |  |
| 8.0  | .184                  | .090 | .025 | .180 | .088 | .025 | .172                            | .086 | .025 | .164 | .083 | .024 | .157 | .081 | .024 |   |  |
| 9.0  | .172                  | .083 | .023 | .168 | .082 | .023 | .161                            | .080 | .023 | .155 | .077 | .022 | .148 | .075 | .022 |   |  |
| 10.0 | .162                  | .078 | .022 | .158 | .077 | .021 | .152                            | .074 | .021 | .146 | .072 | .021 | .140 | .070 | .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  | .236                  | .236 | .236 | .202 | .202 | .202 | .138  | .138 | .138 | .079 | .079 | .079 | .025 | .025 | .025 |   |
| 1.0  | .227                  | .202 | .179 | .194 | .173 | .154 | .133  | .119 | .107 | .076 | .069 | .062 | .024 | .022 | .020 |   |
| 2.0  | .219                  | .178 | .144 | .187 | .153 | .124 | .128  | .106 | .087 | .074 | .062 | .051 | .024 | .020 | .017 |   |
| 3.0  | .211                  | .161 | .121 | .181 | .138 | .105 | .124  | .096 | .073 | .072 | .056 | .043 | .023 | .018 | .014 |   |
| 4.0  | .203                  | .147 | .105 | .174 | .127 | .091 | .120  | .089 | .064 | .069 | .052 | .038 | .022 | .017 | .012 |   |
| 5.0  | .196                  | .137 | .094 | .168 | .119 | .082 | .116  | .083 | .058 | .067 | .049 | .034 | .022 | .016 | .011 |   |
| 6.0  | .188                  | .129 | .086 | .162 | .112 | .075 | .112  | .078 | .053 | .065 | .046 | .032 | .021 | .015 | .010 |   |
| 7.0  | .182                  | .122 | .080 | .156 | .106 | .070 | .108  | .074 | .050 | .063 | .044 | .030 | .020 | .014 | .010 |   |
| 8.0  | .175                  | .116 | .076 | .151 | .101 | .066 | .104  | .071 | .047 | .061 | .042 | .028 | .020 | .014 | .009 |   |
| 9.0  | .169                  | .111 | .072 | .146 | .097 | .063 | .101  | .068 | .045 | .059 | .040 | .027 | .019 | .013 | .009 |   |
| 10.0 | .163                  | .107 | .070 | .141 | .093 | .061 | .098  | .065 | .043 | .057 | .039 | .026 | .018 | .013 | .009 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|   |     |                  |      |      |                |      |                |                  |      |      |      |
|---|-----|------------------|------|------|----------------|------|----------------|------------------|------|------|------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |     |                  |      |      |                |      |                |                  |      |      |      |
| NAME: RIBDC-4-35K-AM  |     |                  |      |      | TYPE:          |      |                | WEIGHT:          |      |      |      |
| SPEC.:  |     |                  |      |      | DIM.:          |      |                | SERIAL No.:      |      |      |      |
| MFR.: RAYHIL  |     |                  |      |      | SUR.: 0.01*0.1 |      |                | 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   |     | 32.2             | 33.7 | 32.6 | 34.0           | 34.3 | 32.6           | 34.1             | 33.0 | 34.4 | 34.7 |
| 3H  |     | 33.7             | 35.0 | 34.1 | 35.4           | 35.7 | 34.4           | 35.7             | 34.8 | 36.1 | 36.4 |
| 4H  |     | 34.3             | 35.6 | 34.7 | 35.9           | 36.3 | 35.3           | 36.5             | 35.7 | 36.9 | 37.2 |
| 6H  |     | 34.7             | 35.9 | 35.2 | 36.3           | 36.7 | 36.0           | 37.2             | 36.5 | 37.6 | 38.0 |
| 8H  |     | 34.9             | 36.0 | 35.3 | 36.4           | 36.8 | 36.4           | 37.6             | 36.9 | 38.0 | 38.4 |
| 12H   |     | 34.9             | 36.0 | 35.4 | 36.4           | 36.9 | 36.8           | 37.9             | 37.3 | 38.3 | 38.7 |
| 4H 2H   |     | 32.9             | 34.2 | 33.3 | 34.5           | 34.9 | 33.2           | 34.5             | 33.6 | 34.8 | 35.2 |
| 3H  |     | 34.6             | 35.7 | 35.0 | 36.1           | 36.5 | 35.2           | 36.3             | 35.6 | 36.7 | 37.1 |
| 4H  |     | 35.3             | 36.3 | 35.8 | 36.8           | 37.2 | 36.2           | 37.2             | 36.6 | 37.6 | 38.1 |
| 6H  |     | 35.9             | 36.8 | 36.4 | 37.2           | 37.7 | 37.1           | 38.0             | 37.6 | 38.5 | 38.9 |
| 8H  |     | 36.1             | 36.9 | 36.6 | 37.4           | 37.9 | 37.6           | 38.4             | 38.1 | 38.9 | 39.4 |
| 12H   |     | 36.2             | 37.0 | 36.7 | 37.5           | 38.0 | 38.1           | 38.8             | 38.6 | 39.3 | 39.8 |
| 8H 4H   |     | 35.7             | 36.5 | 36.2 | 37.0           | 37.5 | 36.4           | 37.3             | 36.9 | 37.7 | 38.2 |
| 6H  |     | 36.5             | 37.2 | 37.0 | 37.7           | 38.2 | 37.6           | 38.3             | 38.1 | 38.8 | 39.3 |
| 8H  |     | 36.8             | 37.4 | 37.3 | 37.9           | 38.5 | 38.2           | 38.8             | 38.7 | 39.3 | 39.9 |
| 12H   |     | 37.0             | 37.5 | 37.6 | 38.1           | 38.7 | 38.8           | 39.4             | 39.4 | 39.9 | 40.5 |
| 12H 4H  |     | 35.8             | 36.5 | 36.3 | 37.0           | 37.5 | 36.4           | 37.2             | 37.0 | 37.7 | 38.2 |
| 6H  |     | 36.6             | 37.2 | 37.1 | 37.7           | 38.3 | 37.6           | 38.3             | 38.2 | 38.8 | 39.4 |
| 8H  |     | 37.0             | 37.5 | 37.5 | 38.0           | 38.6 | 38.3           | 38.8             | 38.9 | 39.4 | 40.0 |
| Variations with the observer position at spacings(CIE Pub.117):                 |     |                  |      |      |                |      |                |                  |      |      |      |
| S = 1.0H  |     | + 0.2 / - 0.2    |      |      |                |      | + 0.1 / - 0.1  |                  |      |      |      |
| 1.5H  |     | + 0.2 / - 0.3    |      |      |                |      | + 0.2 / - 0.3  |                  |      |      |      |
| 2.0H  |     | + 0.1 / - 0.3    |      |      |                |      | + 0.1 / - 0.3  |                  |      |      |      |

CIE Pub.117, 103.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.9)  
Area: 0.001 m2

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

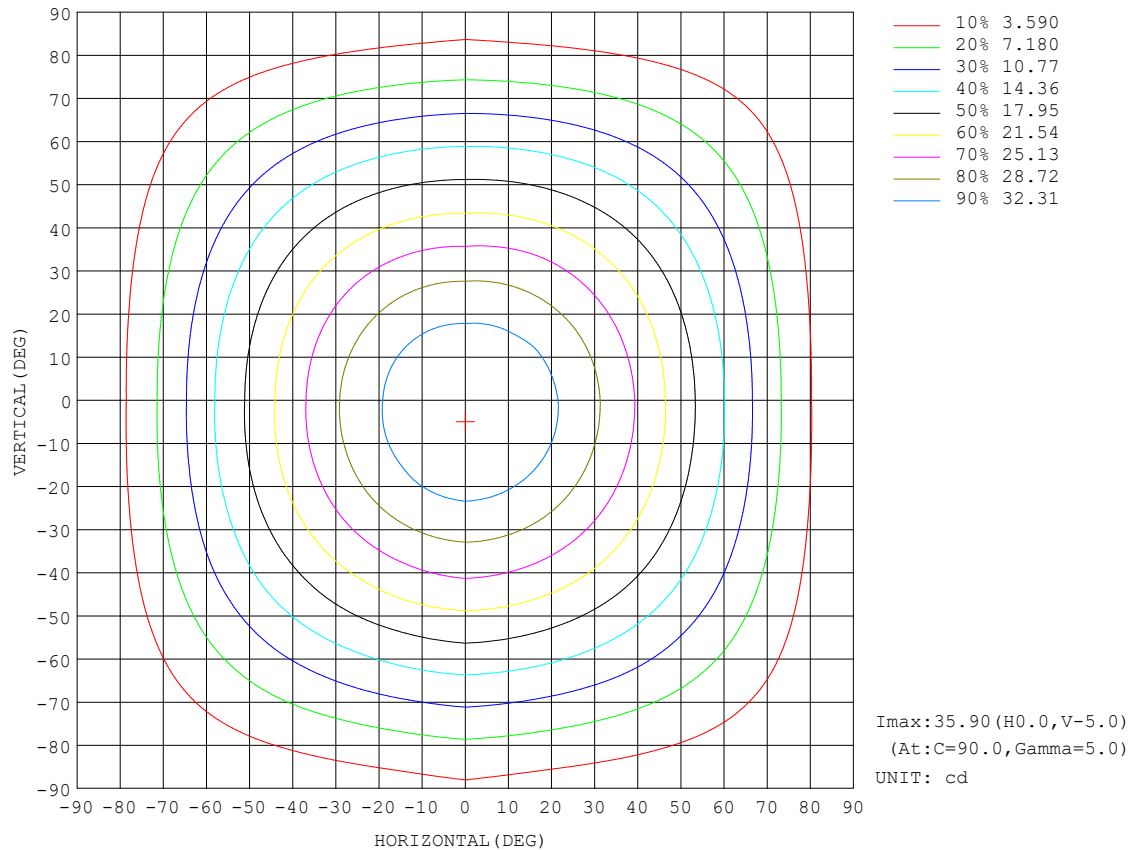
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

```

### ISOCANDELA DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |



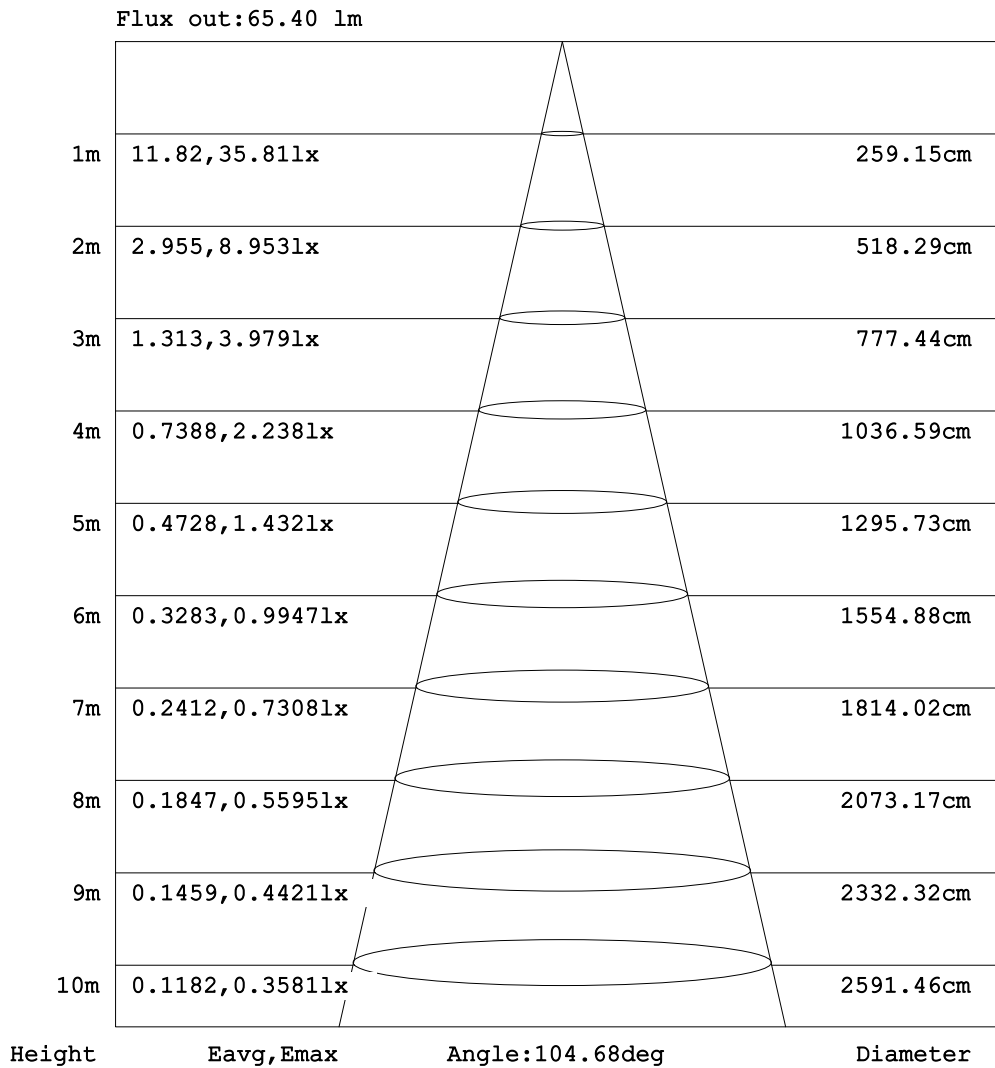
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JZ  
Test Date: 2023-08-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity: 65.0%  
Test Distance: 8.700m [K=1.0000]  
Remarks:



AAI Figure

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |



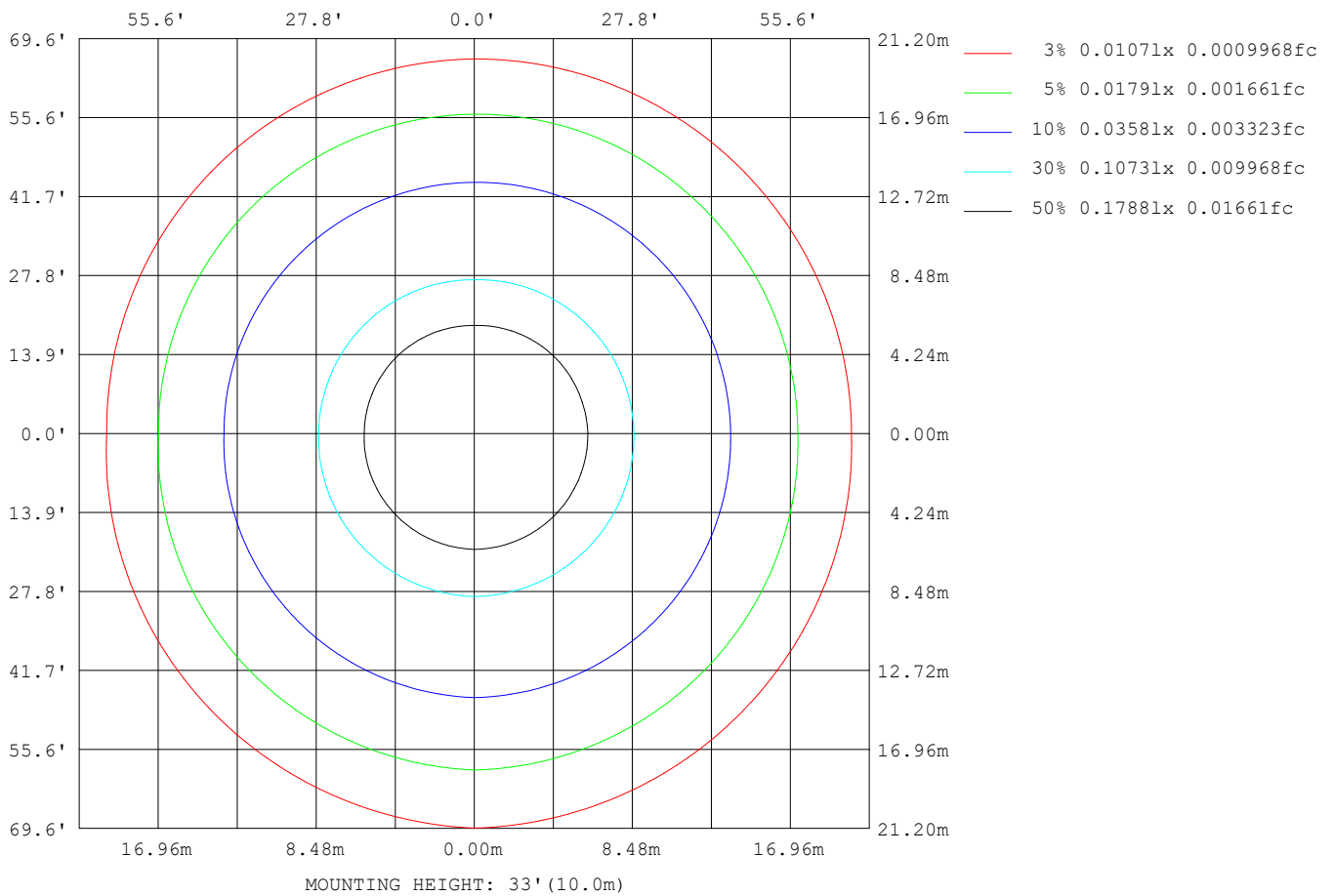
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |

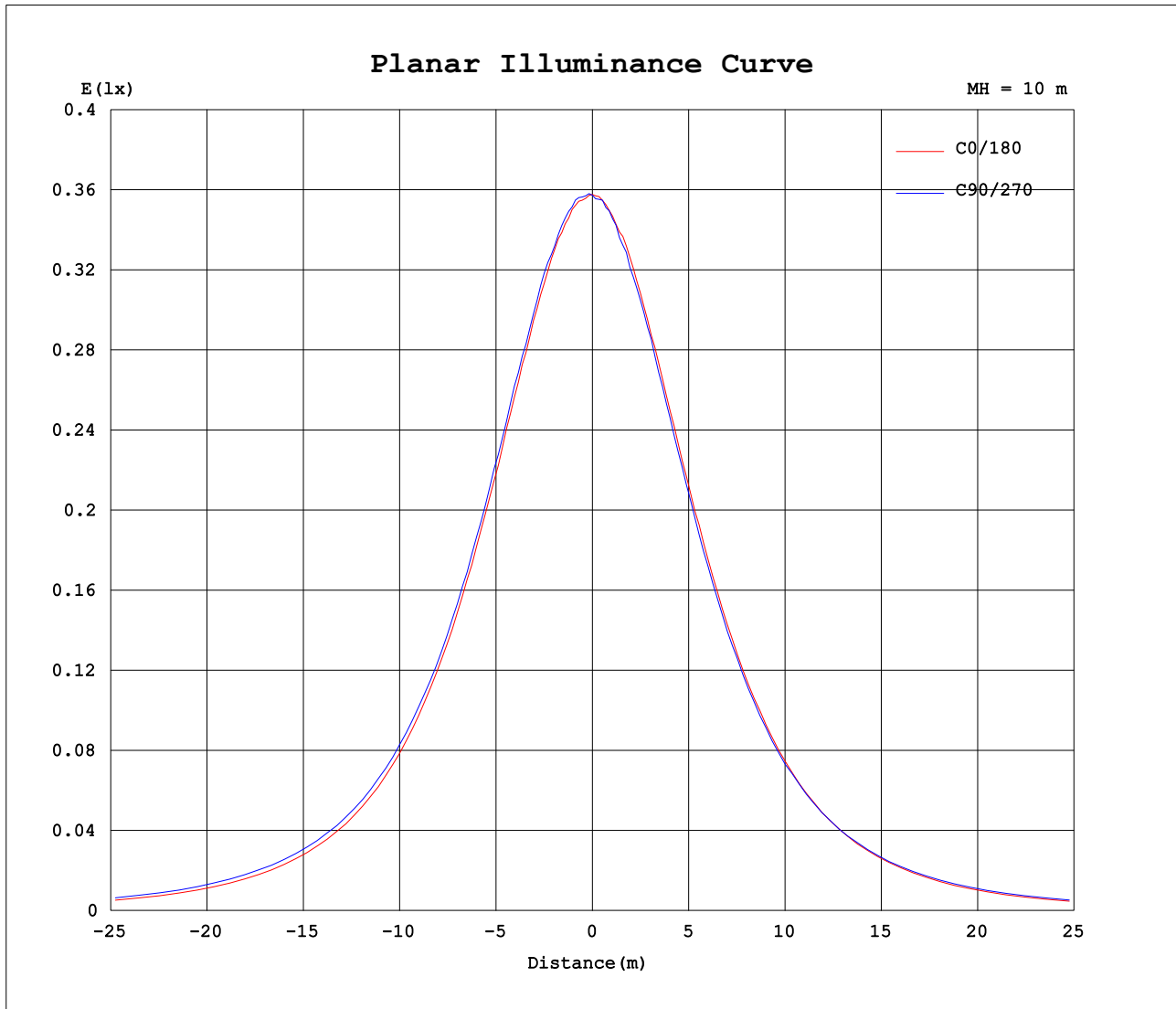
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 26288 |
| L_0~180 (75) av  | 22368 |
| L_0~180 (85) av  | 14916 |
| L_90~270 (65) av | 29697 |
| L_90~270 (75) av | 30433 |
| L_90~270 (85) av | 44718 |
| L_45 (65) av     | 28332 |
| L_45 (75) av     | 27306 |
| L_45 (85) av     | 33350 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JZ  
 Test Date: 2023-08-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity: 65.0%  
 Test Distance: 8.700m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                |                  |
|---|----------------|------------------|
| Test:U:24.002V I:0.0562A P:1.3489W PF:1.0000 Freq:0Hz<br>Lamp Flux:103.872x1 lm |                |                  |
| NAME: RIBDC-4-35K-AM  | TYPE:          | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.: RAYHIL  | SUR.: 0.01*0.1 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 35.8 | 35.7 | 35.8 | 35.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 35.6 | 35.9 | 35.4 | 35.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 35.1 | 35.4 | 34.8 | 34.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 34.2 | 34.7 | 33.5 | 33.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 32.9 | 33.4 | 32.0 | 31.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 31.1 | 31.7 | 30.2 | 29.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 29.3 | 29.9 | 28.3 | 27.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 27.1 | 27.9 | 26.0 | 25.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 24.8 | 25.6 | 23.6 | 23.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 22.2 | 23.4 | 21.1 | 20.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 19.7 | 20.9 | 18.5 | 18.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 17.1 | 18.5 | 15.9 | 16.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 14.4 | 16.3 | 13.3 | 13.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 11.7 | 13.6 | 10.5 | 11.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 8.92 | 11.3 | 7.99 | 9.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 6.21 | 8.93 | 5.36 | 6.83 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 3.71 | 6.57 | 2.91 | 4.81 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 1.57 | 4.55 | 1.03 | 3.24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.28 | 3.14 | 0.12 | 2.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.06 | 2.77 | 0.06 | 2.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.05 | 2.67 | 0.06 | 2.49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.05 | 2.64 | 0.07 | 2.53 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.05 | 2.60 | 0.07 | 2.52 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.05 | 2.52 | 0.09 | 2.45 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.05 | 2.46 | 0.10 | 2.30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.05 | 2.34 | 0.10 | 2.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.05 | 2.19 | 0.12 | 1.90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.05 | 2.02 | 0.13 | 0.93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 0.05 | 1.82 | 0.15 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 0.06 | 1.61 | 0.15 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 0.10 | 0.92 | 0.16 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 0.09 | 0.17 | 0.17 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 0.09 | 0.14 | 0.17 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 0.12 | 0.12 | 0.17 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 0.14 | 0.11 | 0.17 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 0.16 | 0.15 | 0.17 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 0.16 | 0.16 | 0.17 | 0.16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JZ  
Test Date:2023-08-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:65.0%  
Test Distance:8.700m [K=1.0000]  
Remarks: