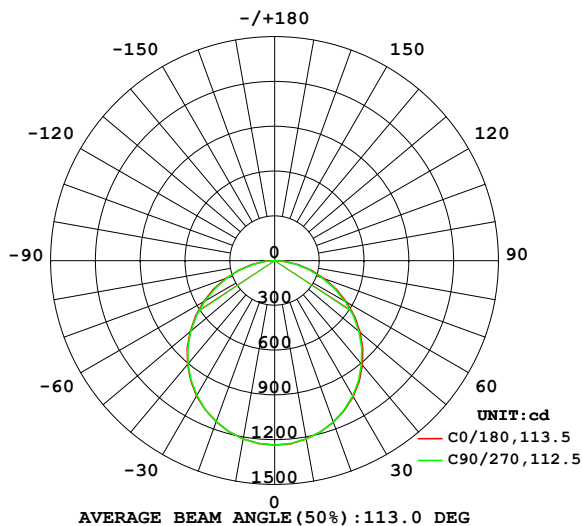


## LUMINAIRE PHOTOMETRIC TEST REPORT

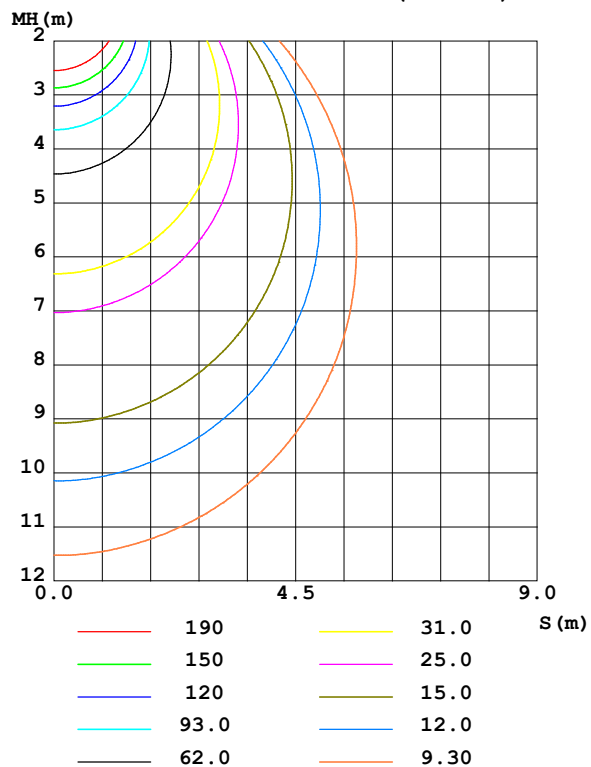
|                                                           |                   |  |
|-----------------------------------------------------------|-------------------|--|
| Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz |                   |  |
| Lamp Flux:3573.82x1 lm                                    |                   |  |
| NAME:                                                     | ASD-BLP-22A30     |  |
| MFR.:                                                     | ASD Lighting Corp |  |
|                                                           |                   |  |

| DATA OF LAMP     |               | PHOTOMETRIC DATA      |        |                   |          | Eff: 126.06 lm/W |
|------------------|---------------|-----------------------|--------|-------------------|----------|------------------|
| MODEL            | ASD-BLP-22A30 | I <sub>max</sub> (cd) | 1236   | S/MH(C0/180)      | 1.26     |                  |
| NOMINAL POWER(W) | 30            | LOR(%)                | 100.0  | S/MH(C90/270)     | 1.25     |                  |
| RATED VOLTAGE(V) | 277           | TOTAL FLUX(lm)        | 3573.8 | η UP,DN(C0-180)   | 0.0,50.1 |                  |
| NOMINAL FLUX(lm) | 3573.82       | CIE CLASS             | DIRECT | η UP,DN(C180-360) | 0.0,49.9 |                  |
| LAMPS INSIDE     | 1             | η up(%)               | 0.0    | CIBSE SHR NOM     | 1.25     |                  |
| TEST VOLTAGE(V)  | 277           | η down(%)             | 100.0  | CIBSE SHR MAX     | 1.35     |                  |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2023-12-19

γ Range: 0 - 180DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:26.000m [K=1.2780]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135  | C180   | C225   | C270  | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|-------|--------|--------|-------|--------|----------|-------------|--------------|------------|
| 10       | 1214                  | 1213   | 1214   | 1213  | 1212   | 1212   | 1212  | 1212   | 0- 10    | 116.8       | 116.8        | 3.27,3.27  |
| 20       | 1152                  | 1149   | 1151   | 1147  | 1149   | 1150   | 1147  | 1150   | 10- 20   | 334.8       | 451.7        | 12.6,12.6  |
| 30       | 1052                  | 1050   | 1046   | 1046  | 1048   | 1046   | 1041  | 1047   | 20- 30   | 508.3       | 959.9        | 26.9,26.9  |
| 40       | 914.7                 | 911.4  | 906.7  | 906.6 | 908.4  | 904.9  | 903.8 | 909.3  | 30- 40   | 614.2       | 1574         | 44,44      |
| 50       | 749.5                 | 742.9  | 738.4  | 737.8 | 740.2  | 735.4  | 733.9 | 739.8  | 40- 50   | 638.1       | 2212         | 61.9,61.9  |
| 60       | 558.2                 | 552.4  | 546.4  | 547.8 | 550.7  | 546.6  | 541.3 | 549.5  | 50- 60   | 577.9       | 2790         | 78.1,78.1  |
| 70       | 357.5                 | 349.5  | 340.5  | 344.2 | 348.8  | 344.0  | 337.5 | 348.3  | 60- 70   | 443.6       | 3234         | 90.5,90.5  |
| 80       | 163.4                 | 156.3  | 144.3  | 150.0 | 154.9  | 150.9  | 143.4 | 155.2  | 70- 80   | 261.8       | 3495         | 97.8,97.8  |
| 90       | 2.237                 | 1.403  | 1.099  | 1.168 | 0.1559 | 0.1167 | 0     | 0.9497 | 80- 90   | 77.98       | 3573         | 100,100    |
| 100      | 0.1571                | 0.0782 | 0.0793 | 0     | 0      | 0      | 0     | 0      | 90-100   | 0.3511      | 3574         | 100,100    |
| 110      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 100-110  | 0.0105      | 3574         | 100,100    |
| 120      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 110-120  | 0           | 3574         | 100,100    |
| 130      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 120-130  | 0           | 3574         | 100,100    |
| 140      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 130-140  | 0.0038      | 3574         | 100,100    |
| 150      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 140-150  | 0           | 3574         | 100,100    |
| 160      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 150-160  | 0           | 3574         | 100,100    |
| 170      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 160-170  | 0           | 3574         | 100,100    |
| 180      | 0                     | 0      | 0      | 0     | 0      | 0      | 0     | 0      | 170-180  | 0           | 3574         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |       |        |        |       |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-12-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
 Humidity:65.0%  
 Test Distance:26.000m [K=1.2780]  
 Remarks:

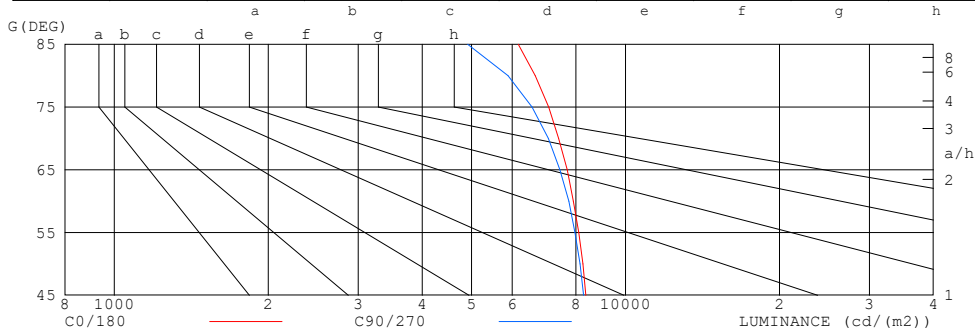
## LUMINANCE LIMITATION CURVES

Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz

Lamp Flux:3573.82x1 lm

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) |      |      |       |       |       |       |       |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15  | A     | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.50  | B     |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85  | C     |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20  | D     |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55  | E     |                  |      |      |       | 2000  | 1000  | 500   | <=300 |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 6168   | 4910    |
| 80                | 6663   | 5891    |
| 75                | 7074   | 6559    |
| 70                | 7402   | 7059    |
| 65                | 7686   | 7443    |
| 60                | 7907   | 7747    |
| 55                | 8104   | 7967    |
| 50                | 8258   | 8144    |
| 45                | 8364   | 8283    |

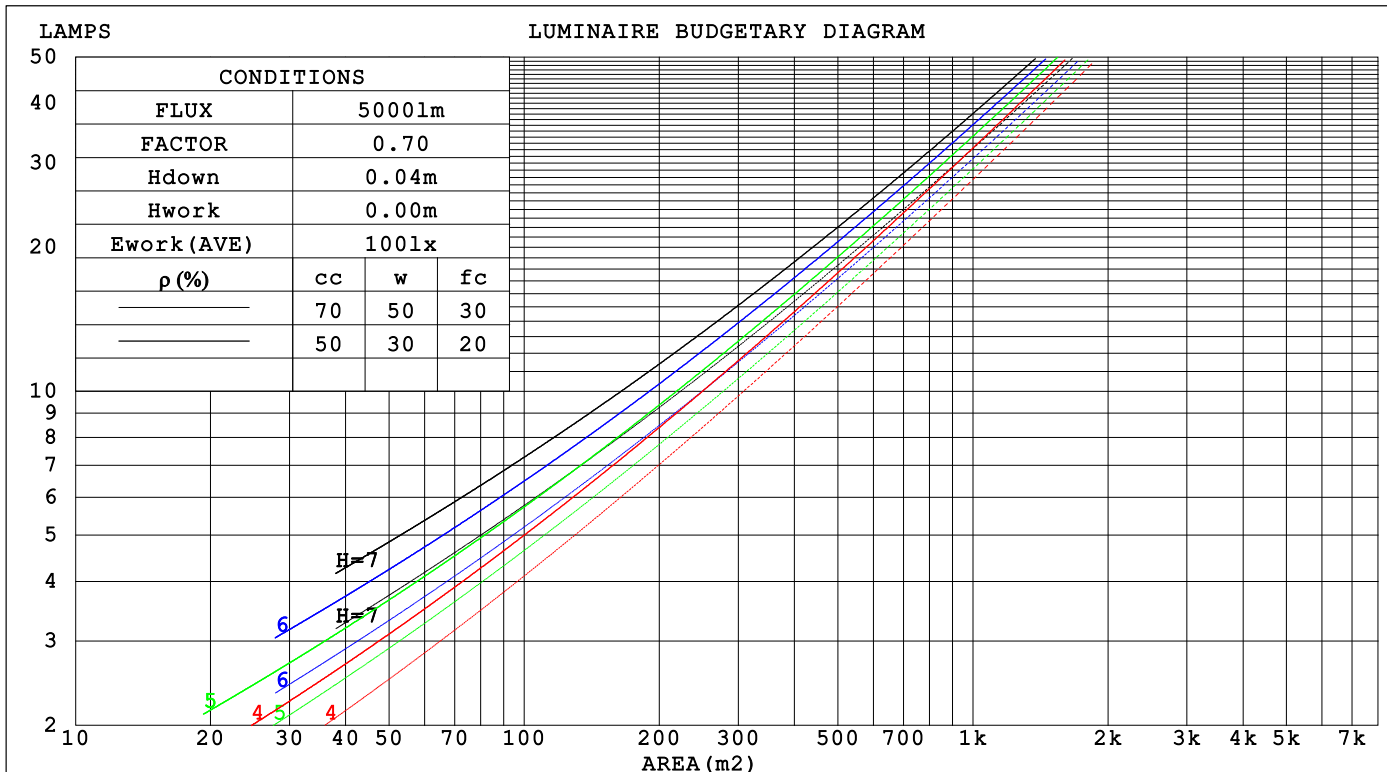
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2023-12-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:26.000m [K=1.2780]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz |  |  |
| Lamp Flux:3573.82x1 lm                                    |  |  |
|                                                           |  |  |
|                                                           |  |  |
|                                                           |  |  |

| pcc  | 80%                                                                        |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|----------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| pw   | 50%                                                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 20%                                                                        |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | RCR:Room Cavity Ratio                      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19                                                                       | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0  | 1.04                                                                       | .99  | .95  | 1.01 | .97  | .94  | .97  | .94  | .91  | .93  | .90  | .88  | .90  | .87  | .85  | .83 |
| 2.0  | .90                                                                        | .83  | .77  | .88  | .82  | .76  | .85  | .79  | .75  | .81  | .77  | .73  | .78  | .75  | .71  | .69 |
| 3.0  | .79                                                                        | .71  | .64  | .77  | .70  | .63  | .74  | .68  | .62  | .72  | .66  | .61  | .69  | .64  | .60  | .58 |
| 4.0  | .70                                                                        | .61  | .54  | .69  | .60  | .54  | .66  | .59  | .53  | .64  | .57  | .52  | .61  | .56  | .52  | .49 |
| 5.0  | .62                                                                        | .53  | .47  | .61  | .53  | .46  | .59  | .52  | .46  | .57  | .50  | .45  | .55  | .49  | .45  | .43 |
| 6.0  | .56                                                                        | .47  | .41  | .55  | .47  | .40  | .53  | .46  | .40  | .52  | .45  | .40  | .50  | .44  | .39  | .37 |
| 7.0  | .51                                                                        | .42  | .36  | .50  | .42  | .36  | .48  | .41  | .35  | .47  | .40  | .35  | .46  | .40  | .35  | .33 |
| 8.0  | .46                                                                        | .38  | .32  | .46  | .37  | .32  | .44  | .37  | .32  | .43  | .36  | .31  | .42  | .36  | .31  | .29 |
| 9.0  | .43                                                                        | .34  | .29  | .42  | .34  | .29  | .41  | .34  | .28  | .40  | .33  | .28  | .39  | .33  | .28  | .26 |
| 10.0 | .39                                                                        | .31  | .26  | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .30  | .26  | .36  | .30  | .26  | .24 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2023-12-19

γ Range: 0 - 180DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:26.000m [K=1.2780]  
Remarks:

### WEC AND CCEC

|                                                           |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz |  |  |  |  |  |  |  |  |  |  |  |
| Lamp Flux:3573.82x1 lm                                    |  |  |  |  |  |  |  |  |  |  |  |
|                                                           |  |  |  |  |  |  |  |  |  |  |  |
|                                                           |  |  |  |  |  |  |  |  |  |  |  |
|                                                           |  |  |  |  |  |  |  |  |  |  |  |

| 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  | .315                  | .179 | .057 | .308 | .176 | .056 | .294                            | .169 | .054 | .282 | .163 | .052 | .271 | .157 | .051 |   |  |
| 2.0  | .295                  | .162 | .050 | .289 | .159 | .049 | .277                            | .154 | .048 | .266 | .149 | .047 | .256 | .145 | .046 |   |  |
| 3.0  | .272                  | .145 | .043 | .267 | .143 | .043 | .256                            | .139 | .042 | .247 | .135 | .041 | .238 | .132 | .041 |   |  |
| 4.0  | .251                  | .130 | .038 | .246 | .129 | .038 | .237                            | .126 | .038 | .228 | .123 | .037 | .220 | .120 | .036 |   |  |
| 5.0  | .232                  | .118 | .034 | .227 | .117 | .034 | .219                            | .114 | .034 | .212 | .112 | .033 | .205 | .109 | .033 |   |  |
| 6.0  | .215                  | .108 | .031 | .211 | .107 | .031 | .204                            | .104 | .030 | .197 | .102 | .030 | .190 | .100 | .030 |   |  |
| 7.0  | .200                  | .099 | .028 | .196 | .098 | .028 | .190                            | .096 | .028 | .184 | .094 | .027 | .178 | .092 | .027 |   |  |
| 8.0  | .186                  | .091 | .026 | .183 | .090 | .026 | .178                            | .089 | .025 | .172 | .087 | .025 | .167 | .086 | .025 |   |  |
| 9.0  | .175                  | .084 | .024 | .172 | .084 | .024 | .167                            | .082 | .023 | .162 | .081 | .023 | .157 | .080 | .023 |   |  |
| 10.0 | .164                  | .079 | .022 | .162 | .078 | .022 | .157                            | .077 | .022 | .153 | .076 | .022 | .148 | .075 | .021 |   |  |

| 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  | .191                  | .191 | .191 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .181                  | .156 | .134 | .155 | .134 | .115 | .106                                        | .092 | .080 | .061 | .053 | .046 | .020 | .017 | .015 |   |  |
| 2.0  | .173                  | .132 | .098 | .148 | .114 | .084 | .101                                        | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 |   |  |
| 3.0  | .165                  | .114 | .074 | .141 | .099 | .064 | .097                                        | .069 | .045 | .056 | .040 | .027 | .018 | .013 | .009 |   |  |
| 4.0  | .157                  | .101 | .058 | .135 | .087 | .050 | .093                                        | .061 | .036 | .054 | .036 | .021 | .017 | .012 | .007 |   |  |
| 5.0  | .150                  | .091 | .047 | .129 | .078 | .041 | .089                                        | .055 | .029 | .051 | .032 | .017 | .017 | .011 | .006 |   |  |
| 6.0  | .143                  | .082 | .039 | .123 | .071 | .034 | .085                                        | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |  |
| 7.0  | .136                  | .075 | .033 | .117 | .065 | .029 | .081                                        | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |  |
| 8.0  | .129                  | .070 | .029 | .111 | .060 | .025 | .077                                        | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .003 |   |  |
| 9.0  | .123                  | .065 | .025 | .106 | .056 | .022 | .074                                        | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |  |
| 10.0 | .118                  | .060 | .022 | .101 | .052 | .020 | .070                                        | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2023-12-19

γ Range: 0 - 180DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:26.000m [K=1.2780]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz |  |  |
| Lamp Flux:3573.82x1 lm                                    |  |  |
|                                                           |  |  |
|                                                           |  |  |
|                                                           |  |  |

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 57                                                   | 46  | 39        | 56  | 45  | 38  | 55  | 45            | 38  | 32     |
| 0.80                             | 67                                                   | 56  | 48        | 66  | 55  | 48  | 64  | 54            | 48  | 41     |
| 1.00                             | 76                                                   | 64  | 57        | 74  | 64  | 57  | 72  | 65            | 56  | 49     |
| 1.25                             | 83                                                   | 72  | 65        | 81  | 71  | 64  | 79  | 70            | 64  | 56     |
| 1.50                             | 88                                                   | 78  | 71        | 86  | 77  | 70  | 83  | 75            | 69  | 61     |
| 2.00                             | 95                                                   | 86  | 79        | 93  | 85  | 79  | 89  | 83            | 77  | 69     |
| 2.50                             | 99                                                   | 91  | 85        | 97  | 89  | 84  | 93  | 87            | 82  | 73     |
| 3.00                             | 102                                                  | 95  | 89        | 100 | 93  | 88  | 96  | 90            | 86  | 78     |
| 4.00                             | 106                                                  | 100 | 95        | 104 | 98  | 94  | 99  | 95            | 91  | 82     |
| 5.00                             | 108                                                  | 104 | 99        | 106 | 102 | 98  | 101 | 98            | 95  | 86     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

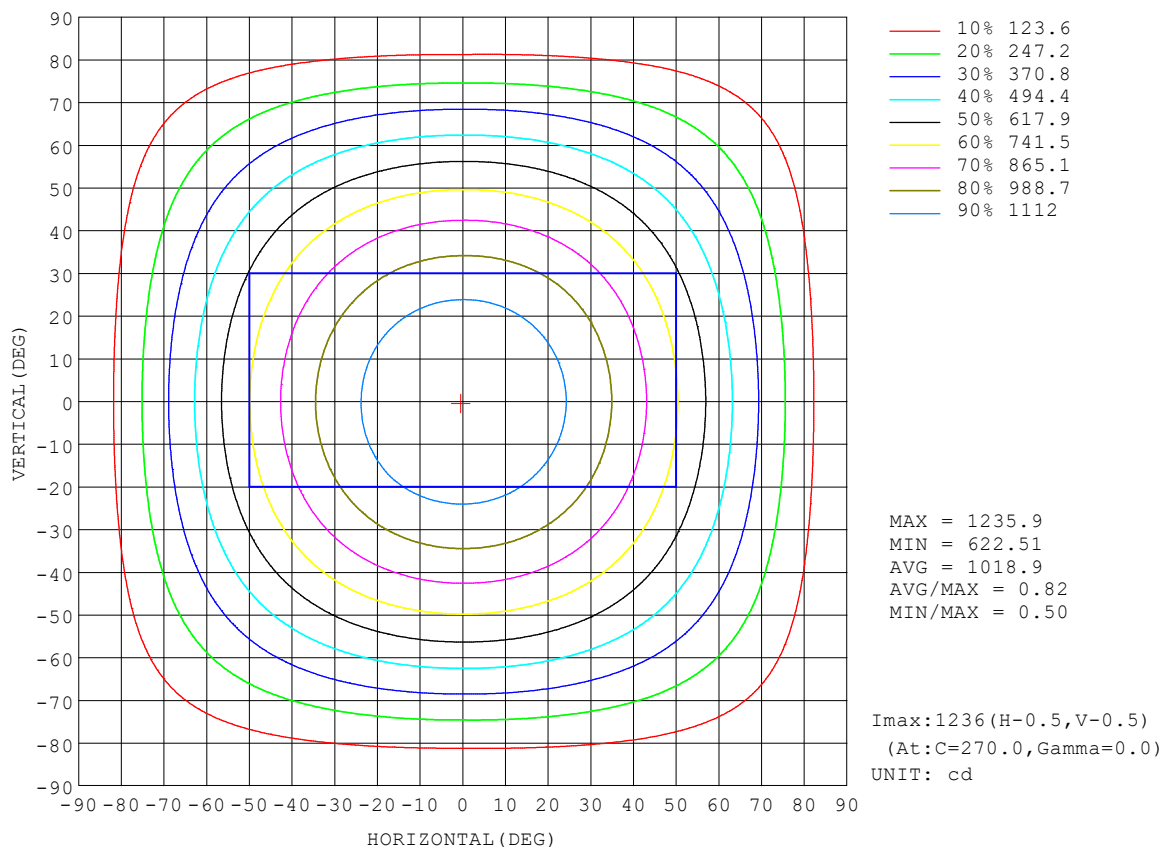
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2023-12-19

γ Range: 0 - 180DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:26.000m [K=1.2780]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz

Lamp Flux:3573.82x1 lm

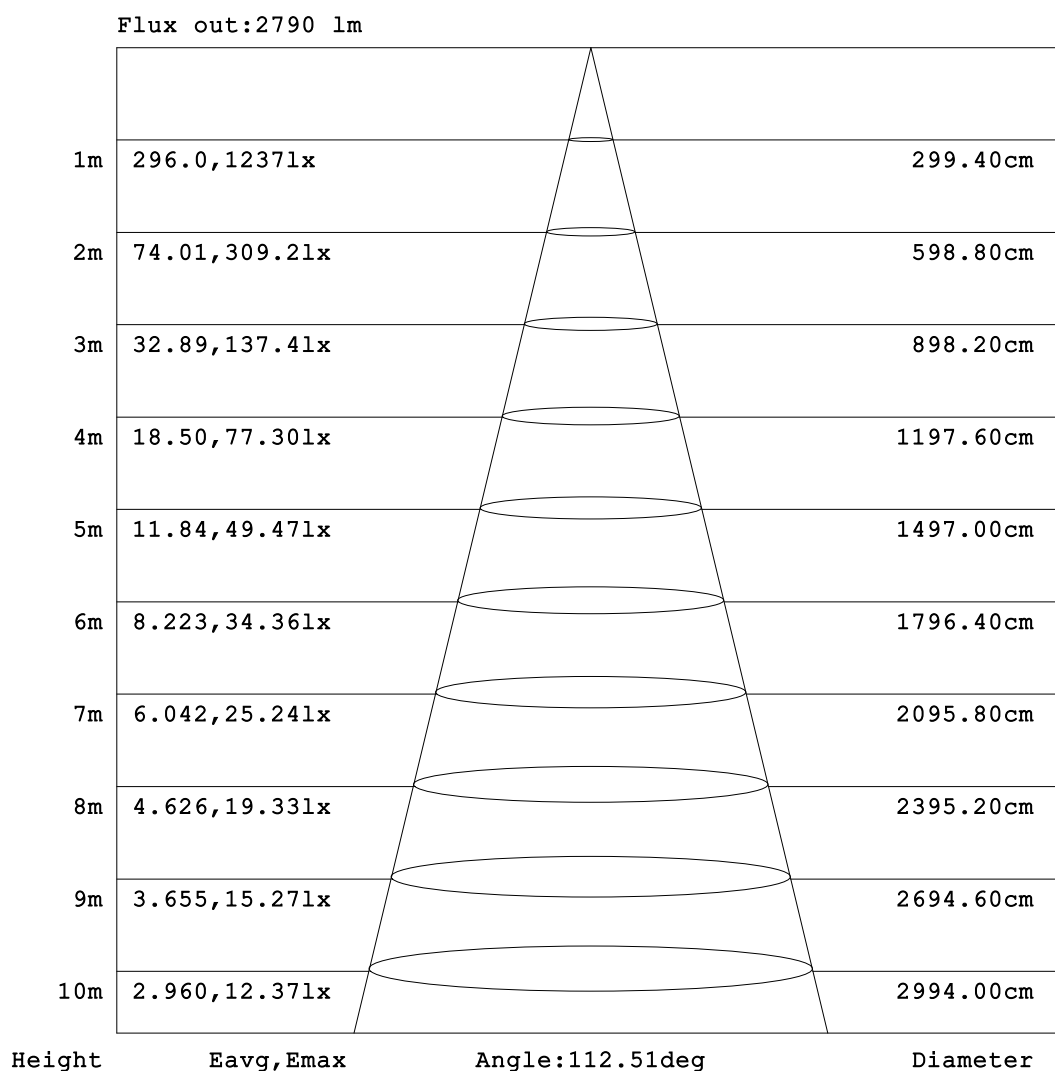


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2023-12-19

γ Range: 0 - 180DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:26.000m [K=1.2780]  
Remarks:

### AAI Figure

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz |  |  |
| Lamp Flux:3573.82x1 lm                                    |  |  |
|                                                           |  |  |
|                                                           |  |  |
|                                                           |  |  |



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

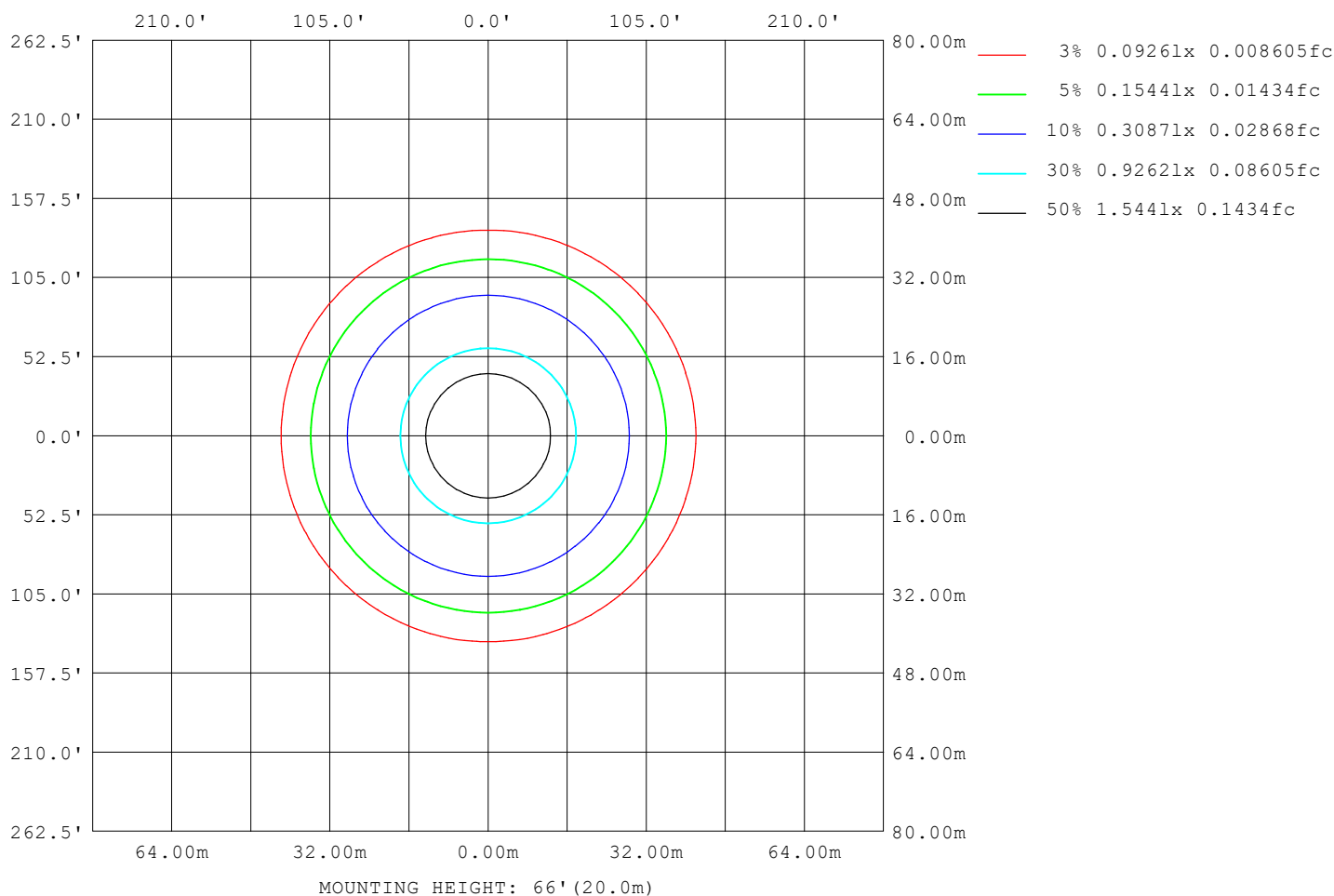
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-12-19

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
 Humidity:65.0%  
 Test Distance:26.000m [K=1.2780]  
 Remarks:



ISOLUX DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz |  |  |
| Lamp Flux:3573.82x1 lm                                    |  |  |
|                                                           |  |  |
|                                                           |  |  |
|                                                           |  |  |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-12-19

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
 Humidity:65.0%  
 Test Distance:26.000m [K=1.2780]  
 Remarks:

## LED Avg.L Report

Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz

Lamp Flux:3573.82x1 lm

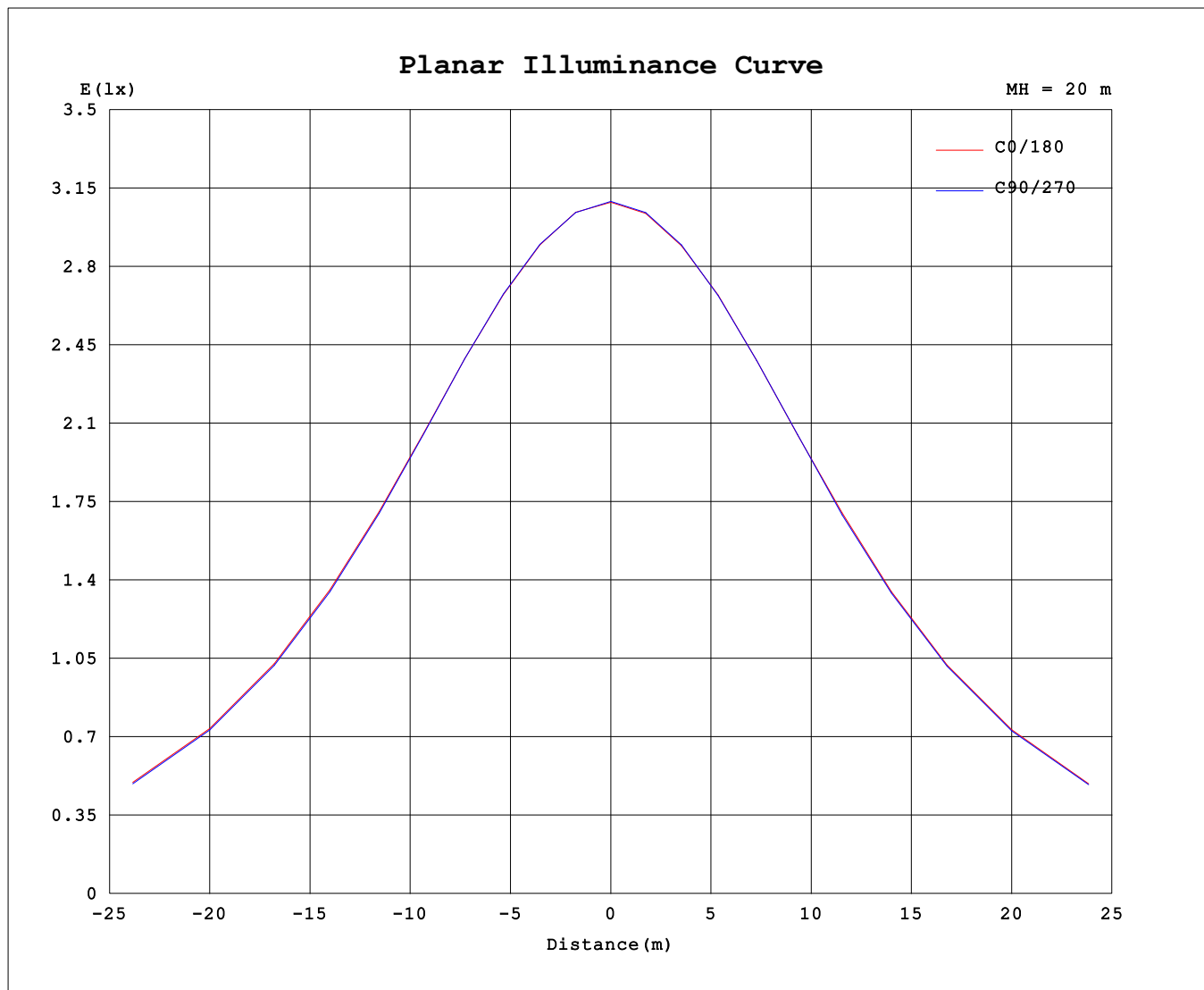
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 7628  |
| L_0~180 (75) av  | 6959  |
| L_0~180 (85) av  | 5878  |
| L_90~270 (65) av | 7406  |
| L_90~270 (75) av | 6528  |
| L_90~270 (85) av | 4925  |
| L_45 (65) av     | 7512  |
| L_45 (75) av     | 6768  |
| L_45 (85) av     | 5435  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:2023-12-19

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
 Humidity:65.0%  
 Test Distance:26.000m [K=1.2780]  
 Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-12-19

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.464  
 Humidity: 65.0%  
 Test Distance: 26.000m [K=1.2780]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.92V I:0.1052A P:28.351W PF:0.9733 Freq:60.01Hz  
Lamp Flux:3573.82x1 lm

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 | 1236 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 1231 | 1231 | 1230 | 1229 | 1230 | 1229 | 1230 | 1228 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 1214 | 1213 | 1214 | 1213 | 1212 | 1212 | 1212 | 1212 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 1188 | 1186 | 1188 | 1184 | 1187 | 1188 | 1185 | 1185 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1152 | 1149 | 1151 | 1147 | 1149 | 1150 | 1147 | 1150 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1106 | 1104 | 1103 | 1105 | 1101 | 1101 | 1101 | 1101 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1052 | 1050 | 1046 | 1046 | 1048 | 1046 | 1041 | 1047 |  |  |  |  |  |  |  |  |  |  |
| 35                 | 988  | 985  | 982  | 981  | 982  | 978  | 976  | 984  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 915  | 911  | 907  | 907  | 908  | 905  | 904  | 909  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 835  | 831  | 826  | 826  | 828  | 824  | 822  | 828  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 750  | 743  | 738  | 738  | 740  | 735  | 734  | 740  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 656  | 650  | 645  | 644  | 647  | 644  | 641  | 646  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 558  | 552  | 546  | 548  | 551  | 547  | 541  | 550  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 459  | 452  | 444  | 446  | 451  | 445  | 440  | 449  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 357  | 350  | 341  | 344  | 349  | 344  | 338  | 348  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 259  | 251  | 239  | 245  | 250  | 245  | 237  | 249  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 163  | 156  | 144  | 150  | 155  | 151  | 143  | 155  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 75.9 | 69.4 | 60.4 | 63.6 | 68.7 | 64.7 | 60.8 | 69.7 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 2.24 | 1.40 | 1.10 | 1.17 | 0.16 | 0.12 | 0.00 | 0.95 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.40 | 0.39 | 0.32 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.16 | 0.08 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |  |  |  |  |  |  |  |  |  |  |
| 140                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 145                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 150                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 155                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 160                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 165                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 170                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 175                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
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