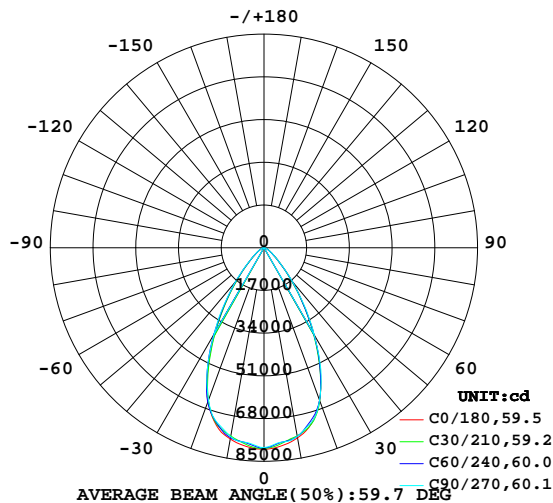


LUMINAIRE PHOTOMETRIC TEST REPORT

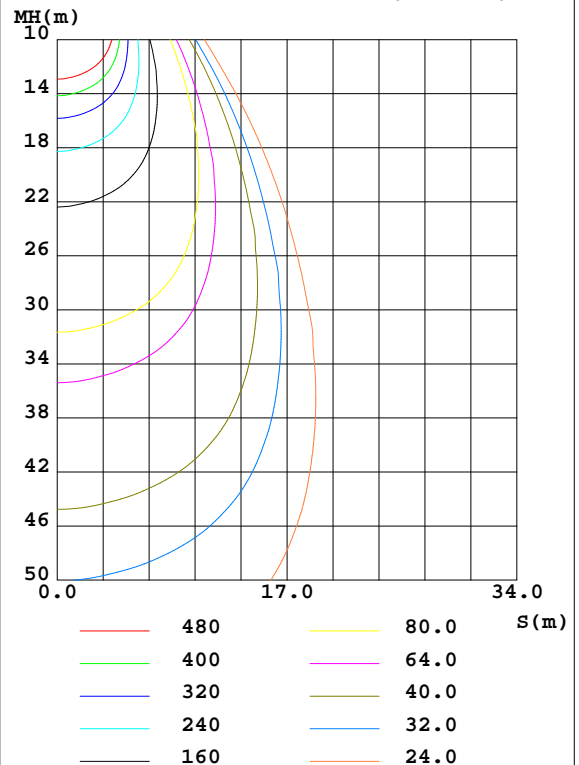
| | | |
|------------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.:21cm*16cm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 147.96 lm/W |
|------------------|------------------|------------------|--------|-------------------|----------|------------------|
| MODEL | ZGSM-TGD560M 60° | Imax(cd) | 80151 | S/MH(C0/180) | 0.89 | |
| NOMINAL POWER(W) | 560 | LOR(%) | 100.0 | S/MH(C90/270) | 0.91 | |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 82322 | η UP,DN(C0-180) | 0.0,49.9 | |
| NOMINAL FLUX(lm) | 82322 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.0 | |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.75 | |
| TEST VOLTAGE(V) | 220.1 | η down(%) | 100.0 | CIBSE SHR MAX | 0.90 | |

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:DAMIN
Test Date:2019.3.20

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.300m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 7685 | 7622 | 7623 | 7599 | 7727 | 7655 | 7636 | 7605 | 0- 10 | 7402 | 7402 | 8.99,8.99 |
| 20 | 6469 | 6452 | 6462 | 6439 | 6495 | 6483 | 6458 | 6457 | 10- 20 | 20108 | 27510 | 33.4,33.4 |
| 30 | 3972 | 3916 | 3997 | 3882 | 3906 | 3904 | 3984 | 3912 | 20- 30 | 23947 | 51458 | 62.5,62.5 |
| 40 | 1745 | 1692 | 1768 | 1643 | 1681 | 1659 | 1766 | 1686 | 30- 40 | 16895 | 68353 | 83,83 |
| 50 | 593.0 | 584.3 | 609.1 | 567.2 | 574.0 | 579.0 | 609.9 | 579.4 | 40- 50 | 8016 | 76369 | 92.8,92.8 |
| 60 | 249.7 | 251.9 | 252.6 | 241.6 | 240.0 | 248.3 | 253.7 | 249.3 | 50- 60 | 3466 | 79835 | 97,97 |
| 70 | 112.6 | 111.5 | 114.1 | 105.0 | 105.3 | 108.3 | 114.7 | 110.5 | 60- 70 | 1701 | 81535 | 99,99 |
| 80 | 28.59 | 28.37 | 29.56 | 25.19 | 24.50 | 25.93 | 29.70 | 28.12 | 70- 80 | 680.9 | 82216 | 99.9,99.9 |
| 90 | 0.5316 | 0.5492 | 0.5709 | 0.5487 | 0.6487 | 0.6513 | 0.6528 | 0.6286 | 80- 90 | 96.63 | 82313 | 100,100 |
| 100 | 0.9661 | 1.010 | 1.059 | 1.022 | 1.232 | 1.238 | 1.258 | 1.195 | 90-100 | 8.956 | 82322 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0.6043 | 82322 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 82322 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 82322 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 82322 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 82322 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 82322 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 82322 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 82322 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 73248 lm

%lum = 89.0%

%lamp = 89.0%

Conical surface Flux(120deg): 79835 lm

%lum = 97.0%

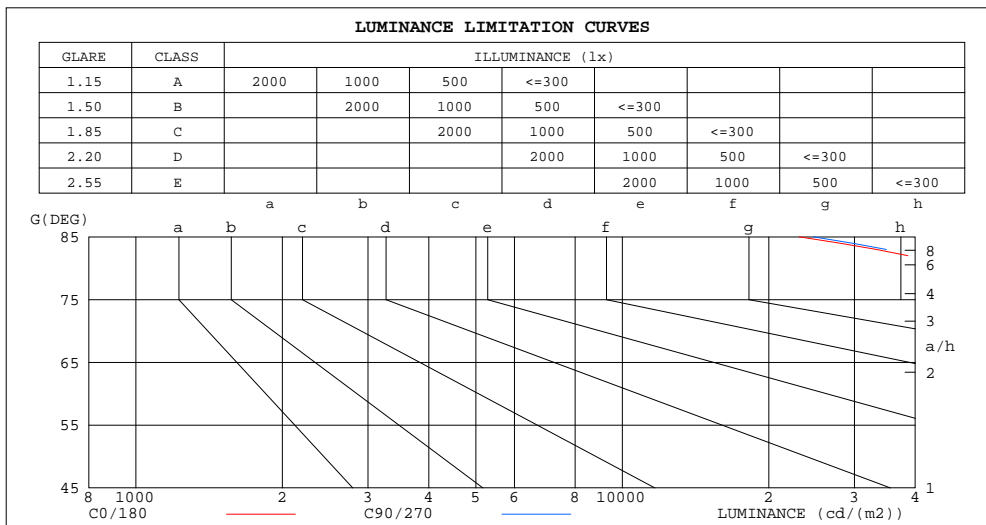
%lamp = 97.0%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019.3.20

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|------------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.:21cm*16cm | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 23106 | 24697 |
| 80 | 48993 | 50668 |
| 75 | 74236 | 76068 |
| 70 | 97985 | 99312 |
| 65 | 120689 | 122386 |
| 60 | 148645 | 150365 |
| 55 | 194026 | 199663 |
| 50 | 274546 | 282004 |
| 45 | 426365 | 428256 |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019.3.20

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.300m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|------------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.:21cm*16cm | 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 | .197 .112 .036 | .190 .109 .034 | .178 .102 .033 | .166 .096 .031 | .155 .090 .029 | |
| 2.0 | .190 .104 .032 | .184 .101 .031 | .173 .096 .030 | .163 .092 .029 | .154 .087 .027 | |
| 3.0 | .181 .096 .029 | .176 .094 .028 | .166 .090 .027 | .158 .086 .027 | .150 .083 .026 | |
| 4.0 | .171 .089 .026 | .167 .087 .026 | .159 .084 .025 | .152 .081 .025 | .145 .079 .024 | |
| 5.0 | .163 .083 .024 | .159 .082 .024 | .152 .079 .023 | .145 .077 .023 | .139 .074 .022 | |
| 6.0 | .155 .077 .022 | .151 .076 .022 | .145 .074 .022 | .139 .072 .021 | .134 .070 .021 | |
| 7.0 | .147 .073 .021 | .144 .072 .020 | .139 .070 .020 | .133 .068 .020 | .129 .067 .020 | |
| 8.0 | .140 .068 .019 | .138 .068 .019 | .133 .066 .019 | .128 .065 .019 | .124 .063 .018 | |
| 9.0 | .134 .065 .018 | .131 .064 .018 | .127 .063 .018 | .123 .062 .018 | .119 .060 .017 | |
| 10.0 | .128 .061 .017 | .126 .061 .017 | .122 .060 .017 | .118 .059 .017 | .114 .057 .016 | |

| | | | | | | |
|------|--|----------------|----------------|----------------|----------------|---|
| 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 | .173 .157 .143 | .148 .135 .123 | .101 .093 .085 | .058 .054 .050 | .019 .017 .016 | |
| 2.0 | .159 .132 .110 | .136 .114 .095 | .093 .079 .067 | .054 .046 .039 | .017 .015 .013 | |
| 3.0 | .147 .114 .087 | .126 .098 .075 | .087 .068 .053 | .050 .040 .031 | .016 .013 .010 | |
| 4.0 | .138 .099 .070 | .118 .086 .061 | .081 .060 .043 | .047 .035 .025 | .015 .011 .008 | |
| 5.0 | .130 .088 .057 | .111 .076 .050 | .077 .053 .035 | .044 .031 .021 | .014 .010 .007 | |
| 6.0 | .122 .079 .048 | .105 .068 .042 | .073 .048 .029 | .042 .028 .017 | .014 .009 .006 | |
| 7.0 | .116 .072 .040 | .100 .062 .035 | .069 .043 .025 | .040 .026 .015 | .013 .008 .005 | |
| 8.0 | .110 .065 .035 | .095 .057 .030 | .066 .040 .021 | .038 .023 .013 | .012 .008 .004 | |
| 9.0 | .105 .060 .030 | .091 .052 .026 | .063 .037 .019 | .037 .022 .011 | .012 .007 .004 | |
| 10.0 | .100 .056 .026 | .087 .049 .023 | .060 .034 .016 | .035 .020 .010 | .011 .007 .003 | |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019.3.20

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|-----|------------------|------|------|----------------|------|----------------|------------------|------|------|------|
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: ZGSM | | | | | SUR.:21cm*16cm | | | 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 | | 14.3 | 15.4 | 14.5 | 15.5 | 15.7 | 14.4 | 15.4 | 14.6 | 15.6 | 15.8 |
| | 3H | 14.4 | 15.4 | 14.7 | 15.6 | 15.8 | 14.5 | 15.5 | 14.8 | 15.7 | 15.9 |
| | 4H | 14.5 | 15.4 | 14.7 | 15.6 | 15.8 | 14.5 | 15.4 | 14.8 | 15.7 | 15.9 |
| | 6H | 14.4 | 15.3 | 14.7 | 15.5 | 15.8 | 14.5 | 15.3 | 14.8 | 15.6 | 15.8 |
| | 8H | 14.4 | 15.2 | 14.7 | 15.5 | 15.7 | 14.5 | 15.3 | 14.8 | 15.5 | 15.8 |
| | 12H | 14.3 | 15.1 | 14.7 | 15.4 | 15.7 | 14.4 | 15.2 | 14.7 | 15.5 | 15.8 |
| 4H | 2H | 14.2 | 15.2 | 14.5 | 15.4 | 15.6 | 14.3 | 15.2 | 14.6 | 15.4 | 15.7 |
| | 3H | 14.5 | 15.3 | 14.8 | 15.5 | 15.8 | 14.5 | 15.3 | 14.9 | 15.6 | 15.9 |
| | 4H | 14.5 | 15.3 | 14.9 | 15.6 | 15.9 | 14.6 | 15.3 | 15.0 | 15.6 | 15.9 |
| | 6H | 14.5 | 15.2 | 14.9 | 15.5 | 15.9 | 14.6 | 15.2 | 15.0 | 15.6 | 15.9 |
| | 8H | 14.5 | 15.1 | 14.9 | 15.4 | 15.8 | 14.6 | 15.2 | 15.0 | 15.5 | 15.9 |
| | 12H | 14.5 | 15.0 | 14.9 | 15.4 | 15.8 | 14.5 | 15.1 | 14.9 | 15.4 | 15.8 |
| 8H | 4H | 14.5 | 15.1 | 14.9 | 15.4 | 15.8 | 14.5 | 15.1 | 14.9 | 15.5 | 15.8 |
| | 6H | 14.5 | 15.0 | 14.9 | 15.4 | 15.8 | 14.6 | 15.0 | 15.0 | 15.4 | 15.9 |
| | 8H | 14.5 | 14.9 | 14.9 | 15.3 | 15.8 | 14.5 | 15.0 | 15.0 | 15.4 | 15.8 |
| | 12H | 14.4 | 14.8 | 14.9 | 15.2 | 15.7 | 14.5 | 14.9 | 15.0 | 15.3 | 15.8 |
| 12H | 4H | 14.4 | 15.0 | 14.9 | 15.3 | 15.7 | 14.5 | 15.0 | 14.9 | 15.4 | 15.8 |
| | 6H | 14.5 | 14.9 | 14.9 | 15.3 | 15.7 | 14.5 | 14.9 | 15.0 | 15.4 | 15.8 |
| | 8H | 14.4 | 14.8 | 14.9 | 15.3 | 15.7 | 14.5 | 14.9 | 15.0 | 15.3 | 15.8 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 1.7 / - 2.8 | | | | | + 1.7 / - 2.8 | | | | |
| 1.5H | | + 2.9 / - 2.2 | | | | | + 2.9 / - 2.4 | | | | |
| 2.0H | | + 3.1 / - 2.0 | | | | | + 3.1 / - 2.1 | | | | |

CIE Pub.117, 82322 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 15.3)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019.3.20

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|------------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.:21cm*16cm | Shielding Angle: |

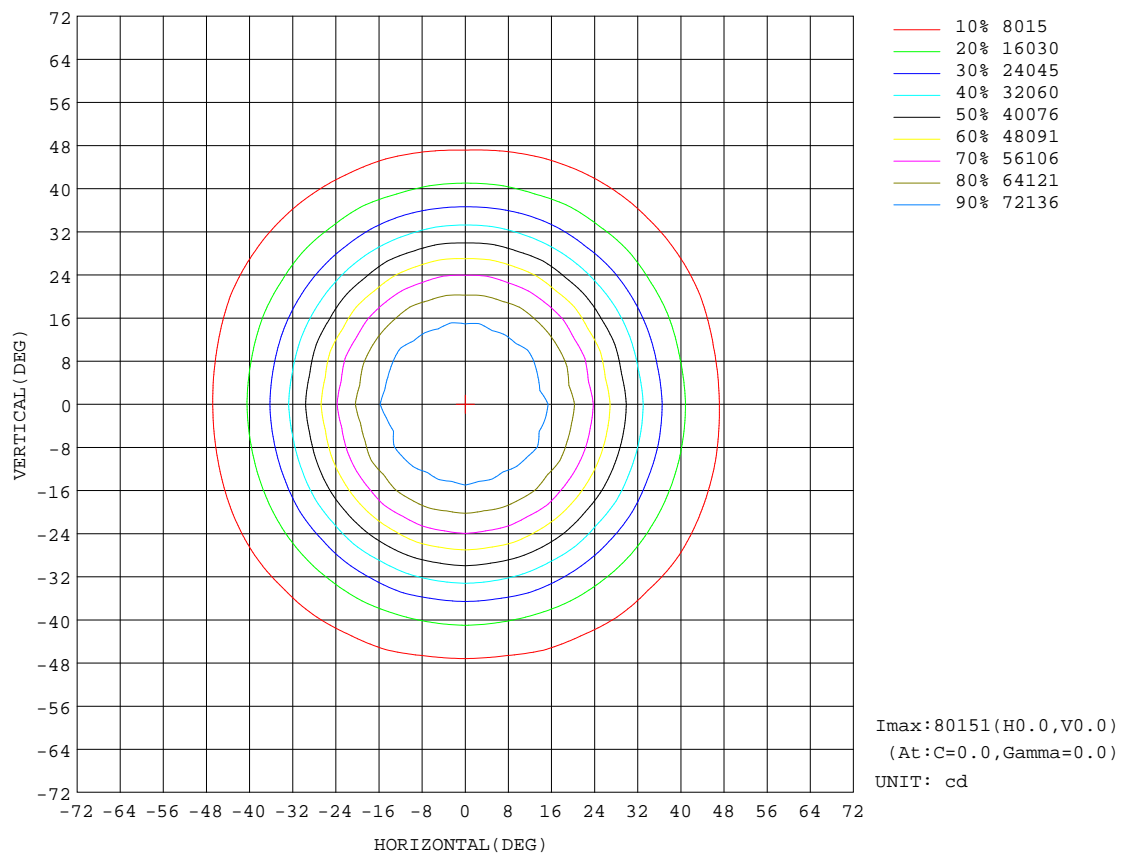
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 81 | 73 | 69 | 80 | 73 | 69 | 79 | 73 | 69 | 64 |
| 0.80 | 89 | 82 | 78 | 88 | 82 | 77 | 87 | 81 | 77 | 73 |
| 1.00 | 95 | 88 | 84 | 94 | 88 | 83 | 92 | 88 | 83 | 78 |
| 1.25 | 100 | 93 | 89 | 98 | 93 | 89 | 96 | 92 | 88 | 83 |
| 1.50 | 103 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 87 |
| 2.00 | 106 | 101 | 98 | 105 | 100 | 97 | 102 | 98 | 95 | 90 |
| 2.50 | 108 | 104 | 100 | 107 | 103 | 99 | 103 | 100 | 98 | 91 |
| 3.00 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 4.00 | 113 | 109 | 107 | 110 | 108 | 105 | 107 | 104 | 103 | 95 |
| 5.00 | 114 | 111 | 109 | 112 | 109 | 107 | 108 | 106 | 104 | 96 |
| 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:DAMIN
Test Date:2019.3.20

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|------------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.:21cm*16cm | Shielding Angle: |

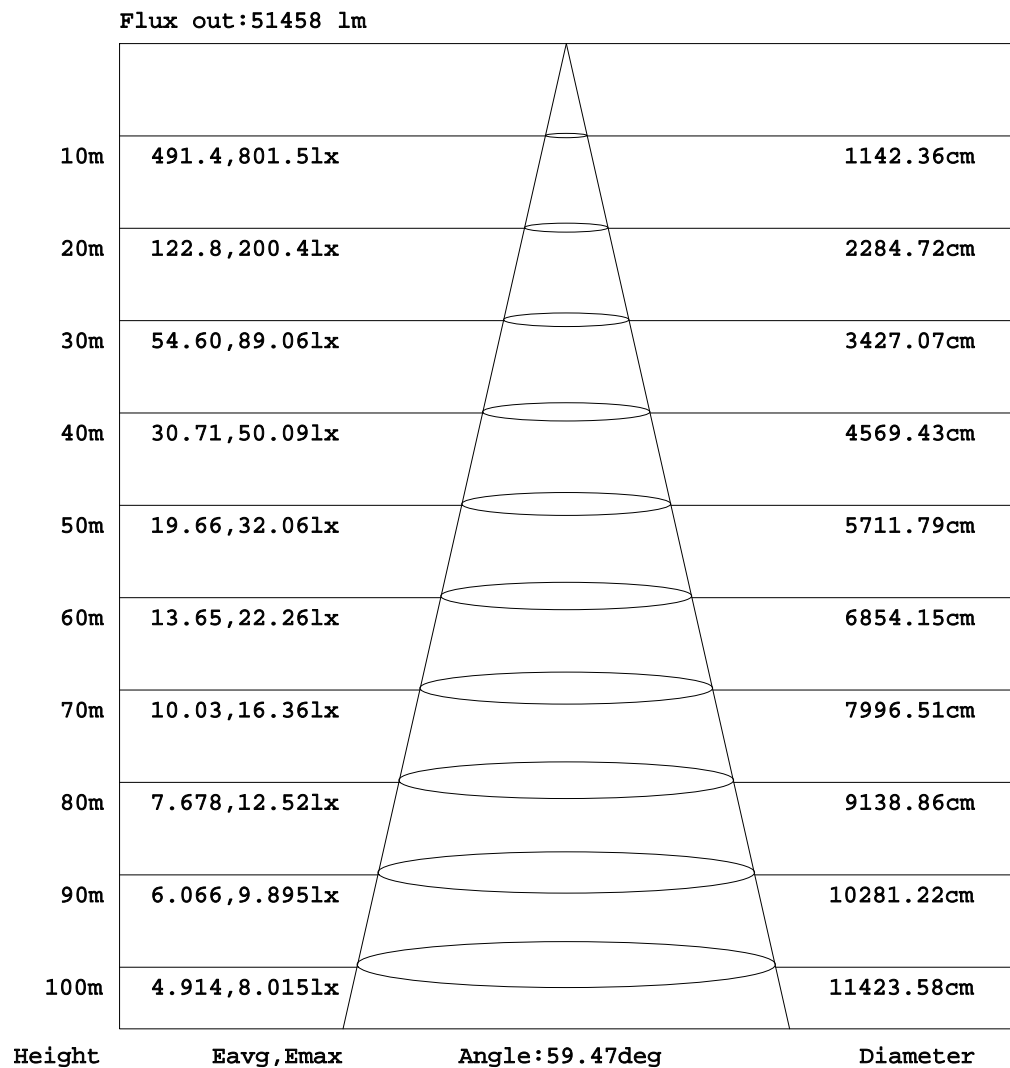


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019.3.20

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.300m [K=1.0000]
Remarks:

AAI Figure

| | | |
|------------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.:21cm*16cm | Shielding Angle: |

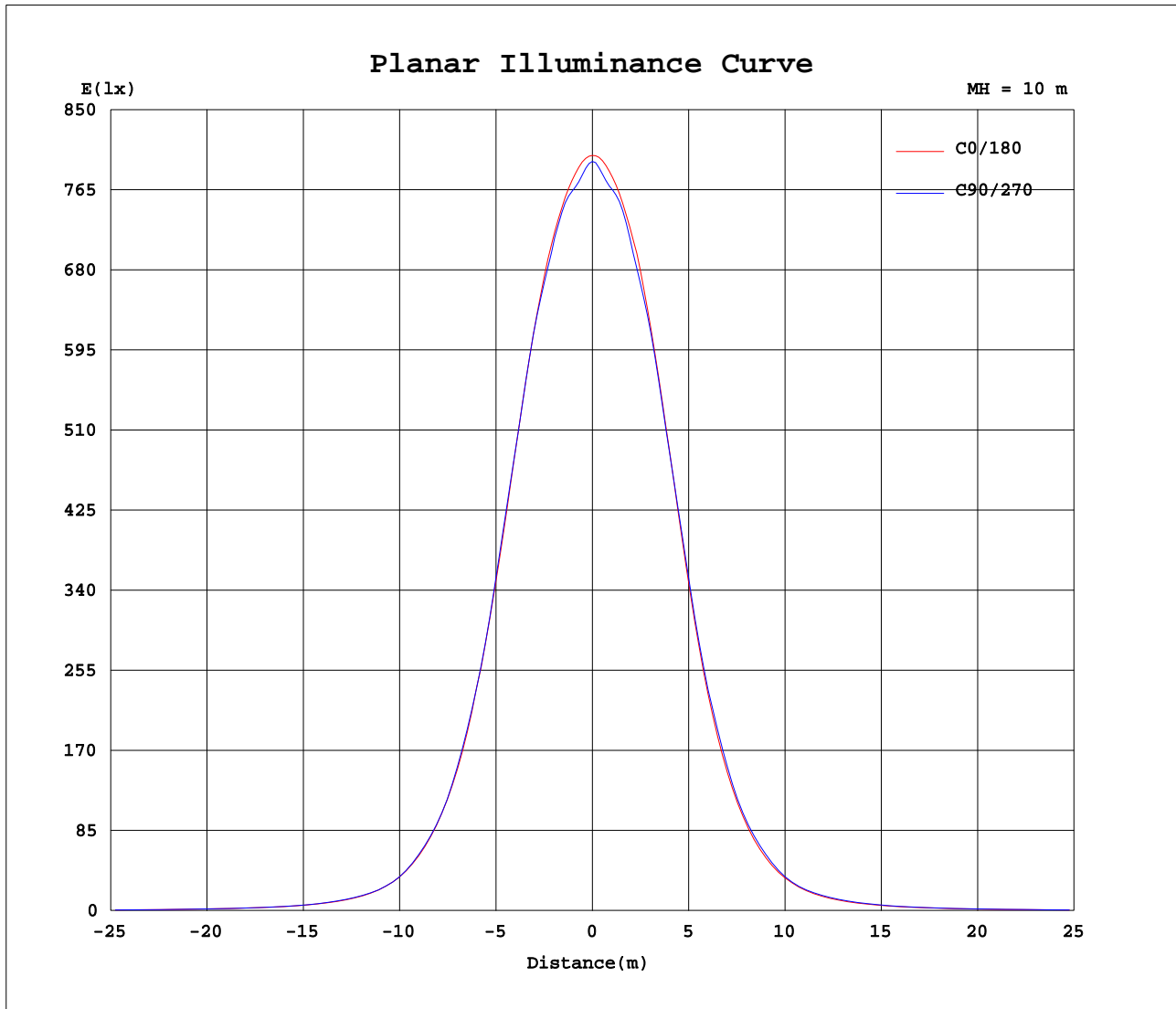


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019.3.20

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.300m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019.3.20

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.: 21cm*16cm | Shielding Angle: |

Table--1

UNIT: x10cd

| C(DEG) γ (DEG) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 8015 | 8006 | 7997 | 7990 | 7983 | 7976 | 7971 | 7964 | 7957 | 7952 | 7944 | 7939 | 7934 | 7929 | 7925 | 7920 | 7918 | 7913 | 8015 |
| 5 | 7913 | 7891 | 7857 | 7826 | 7797 | 7785 | 7778 | 7778 | 7774 | 7770 | 7764 | 7760 | 7754 | 7756 | 7768 | 7795 | 7818 | 7835 | 7939 |
| 10 | 7685 | 7651 | 7570 | 7604 | 7603 | 7641 | 7627 | 7636 | 7613 | 7623 | 7614 | 7634 | 7623 | 7625 | 7574 | 7571 | 7546 | 7624 | 7727 |
| 15 | 7257 | 7223 | 7170 | 7275 | 7221 | 7204 | 7146 | 7191 | 7173 | 7213 | 7173 | 7196 | 7155 | 7219 | 7231 | 7249 | 7129 | 7189 | 7318 |
| 20 | 6469 | 6415 | 6432 | 6488 | 6408 | 6496 | 6468 | 6479 | 6425 | 6462 | 6430 | 6492 | 6471 | 6487 | 6391 | 6466 | 6368 | 6358 | 6495 |
| 25 | 5292 | 5255 | 5270 | 5258 | 5276 | 5315 | 5284 | 5344 | 5317 | 5356 | 5319 | 5342 | 5269 | 5293 | 5241 | 5224 | 5218 | 5174 | 5287 |
| 30 | 3972 | 3945 | 3920 | 3923 | 3884 | 3948 | 3965 | 3982 | 3962 | 3997 | 3959 | 3971 | 3931 | 3906 | 3859 | 3866 | 3836 | 3823 | 3906 |
| 35 | 2729 | 2714 | 2674 | 2694 | 2658 | 2695 | 2708 | 2772 | 2757 | 2777 | 2757 | 2758 | 2669 | 2662 | 2604 | 2627 | 2609 | 2627 | 2673 |
| 40 | 1745 | 1735 | 1704 | 1685 | 1690 | 1694 | 1734 | 1730 | 1740 | 1768 | 1738 | 1717 | 1704 | 1650 | 1637 | 1637 | 1639 | 1655 | 1681 |
| 45 | 1013 | 1022 | 1015 | 1002 | 978 | 1008 | 994 | 1042 | 1023 | 1017 | 1026 | 1036 | 978 | 977 | 947 | 961 | 969 | 969 | 980 |
| 50 | 593 | 604 | 602 | 602 | 585 | 583 | 600 | 603 | 600 | 609 | 602 | 598 | 592 | 571 | 563 | 576 | 573 | 574 | 574 |
| 55 | 374 | 377 | 380 | 386 | 381 | 370 | 374 | 384 | 383 | 385 | 383 | 380 | 369 | 361 | 365 | 366 | 362 | 357 | 362 |
| 60 | 250 | 252 | 253 | 254 | 253 | 251 | 248 | 256 | 253 | 253 | 251 | 251 | 244 | 244 | 240 | 238 | 239 | 237 | 240 |
| 65 | 171 | 172 | 172 | 173 | 171 | 170 | 168 | 174 | 173 | 174 | 171 | 170 | 165 | 165 | 161 | 161 | 161 | 162 | 164 |
| 70 | 113 | 112 | 112 | 112 | 112 | 111 | 110 | 114 | 114 | 114 | 112 | 110 | 107 | 106 | 104 | 104 | 104 | 104 | 105 |
| 75 | 64.6 | 64.5 | 63.5 | 64.6 | 63.9 | 64.4 | 63.6 | 65.5 | 66.1 | 66.2 | 64.3 | 63.0 | 61.0 | 60.4 | 58.5 | 58.0 | 57.6 | 58.2 | 58.8 |
| 80 | 28.6 | 28.6 | 28.0 | 28.5 | 28.1 | 28.6 | 28.3 | 29.1 | 29.3 | 29.6 | 28.2 | 27.5 | 26.3 | 25.8 | 24.6 | 24.5 | 23.9 | 24.3 | 24.5 |
| 85 | 6.77 | 6.78 | 6.54 | 6.66 | 6.42 | 6.69 | 6.65 | 7.09 | 7.05 | 7.23 | 6.61 | 6.28 | 5.58 | 5.40 | 4.94 | 4.93 | 4.75 | 4.82 | 4.84 |
| 90 | 0.53 | 0.54 | 0.54 | 0.55 | 0.55 | 0.55 | 0.56 | 0.56 | 0.56 | 0.57 | 0.56 | 0.57 | 0.55 | 0.55 | 0.54 | 0.55 | 0.54 | 0.54 | 0.65 |
| 95 | 0.70 | 0.71 | 0.71 | 0.73 | 0.72 | 0.74 | 0.74 | 0.75 | 0.75 | 0.76 | 0.76 | 0.76 | 0.74 | 0.74 | 0.73 | 0.73 | 0.72 | 0.72 | 0.88 |
| 100 | 0.97 | 0.98 | 0.98 | 1.00 | 1.00 | 1.02 | 1.02 | 1.04 | 1.05 | 1.06 | 1.06 | 1.06 | 1.04 | 1.03 | 1.01 | 1.01 | 1.00 | 1.00 | 1.23 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2019.3.20

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ZGSM | SUR.: 21cm*16cm | Shielding Angle: |

Table--2

UNIT: x10cd

| C(DEG) γ (DEG) | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 0 | 8006 | 7997 | 7990 | 7983 | 7976 | 7971 | 7964 | 7957 | 7952 | 7944 | 7939 | 7934 | 7929 | 7925 | 7920 | 7918 | 7913 | | |
| 5 | 7930 | 7908 | 7870 | 7843 | 7817 | 7806 | 7796 | 7791 | 7780 | 7771 | 7758 | 7752 | 7745 | 7751 | 7760 | 7783 | 7803 | | |
| 10 | 7694 | 7653 | 7607 | 7647 | 7663 | 7678 | 7666 | 7664 | 7636 | 7641 | 7629 | 7632 | 7606 | 7605 | 7518 | 7543 | 7546 | | |
| 15 | 7234 | 7239 | 7271 | 7324 | 7229 | 7237 | 7197 | 7245 | 7205 | 7230 | 7168 | 7193 | 7168 | 7250 | 7204 | 7154 | 7109 | | |
| 20 | 6387 | 6463 | 6472 | 6480 | 6487 | 6549 | 6488 | 6507 | 6458 | 6493 | 6464 | 6521 | 6465 | 6450 | 6434 | 6432 | 6316 | | |
| 25 | 5192 | 5296 | 5220 | 5311 | 5290 | 5343 | 5333 | 5387 | 5348 | 5380 | 5326 | 5334 | 5278 | 5314 | 5210 | 5284 | 5163 | | |
| 30 | 3829 | 3897 | 3853 | 3909 | 3899 | 4000 | 3964 | 4015 | 3984 | 4014 | 3959 | 4001 | 3906 | 3918 | 3881 | 3930 | 3869 | | |
| 35 | 2641 | 2645 | 2626 | 2633 | 2667 | 2710 | 2761 | 2791 | 2783 | 2798 | 2772 | 2721 | 2678 | 2670 | 2672 | 2672 | 2667 | | |
| 40 | 1665 | 1669 | 1640 | 1662 | 1657 | 1736 | 1716 | 1754 | 1766 | 1764 | 1727 | 1749 | 1677 | 1695 | 1665 | 1699 | 1697 | | |
| 45 | 981 | 995 | 972 | 973 | 980 | 993 | 1032 | 1039 | 1017 | 1047 | 1043 | 1007 | 1001 | 979 | 981 | 1006 | 992 | | |
| 50 | 585 | 592 | 589 | 582 | 576 | 600 | 601 | 604 | 610 | 610 | 604 | 607 | 580 | 578 | 587 | 592 | 585 | | |
| 55 | 365 | 372 | 378 | 379 | 367 | 370 | 383 | 388 | 388 | 391 | 385 | 378 | 370 | 375 | 372 | 372 | 368 | | |
| 60 | 241 | 246 | 247 | 250 | 246 | 245 | 254 | 255 | 254 | 256 | 256 | 253 | 250 | 249 | 245 | 248 | 245 | | |
| 65 | 164 | 166 | 167 | 168 | 166 | 167 | 172 | 175 | 175 | 175 | 174 | 172 | 170 | 169 | 167 | 169 | 168 | | |
| 70 | 105 | 107 | 107 | 109 | 108 | 108 | 111 | 115 | 115 | 115 | 113 | 112 | 111 | 110 | 109 | 110 | 110 | | |
| 75 | 58.3 | 59.3 | 59.3 | 61.3 | 61.2 | 62.3 | 63.6 | 66.5 | 66.4 | 67.0 | 65.1 | 65.1 | 63.7 | 63.5 | 62.2 | 63.1 | 62.8 | | |
| 80 | 24.3 | 24.8 | 25.0 | 25.8 | 26.0 | 27.2 | 27.9 | 29.5 | 29.7 | 30.0 | 29.0 | 29.1 | 28.1 | 28.1 | 27.5 | 28.0 | 27.8 | | |
| 85 | 4.76 | 5.02 | 4.94 | 5.34 | 5.44 | 6.02 | 6.39 | 7.09 | 7.26 | 7.39 | 6.97 | 6.92 | 6.51 | 6.58 | 6.37 | 6.68 | 6.50 | | |
| 90 | 0.64 | 0.65 | 0.65 | 0.65 | 0.65 | 0.66 | 0.65 | 0.66 | 0.65 | 0.66 | 0.64 | 0.64 | 0.63 | 0.63 | 0.62 | 0.62 | 0.61 | | |
| 95 | 0.87 | 0.88 | 0.88 | 0.89 | 0.88 | 0.89 | 0.89 | 0.90 | 0.89 | 0.89 | 0.88 | 0.87 | 0.85 | 0.85 | 0.83 | 0.84 | 0.82 | | |
| 100 | 1.22 | 1.23 | 1.22 | 1.24 | 1.24 | 1.25 | 1.26 | 1.26 | 1.26 | 1.26 | 1.24 | 1.23 | 1.20 | 1.19 | 1.18 | 1.17 | 1.16 | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2019.3.20

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.300m [K=1.0000]
Remarks: