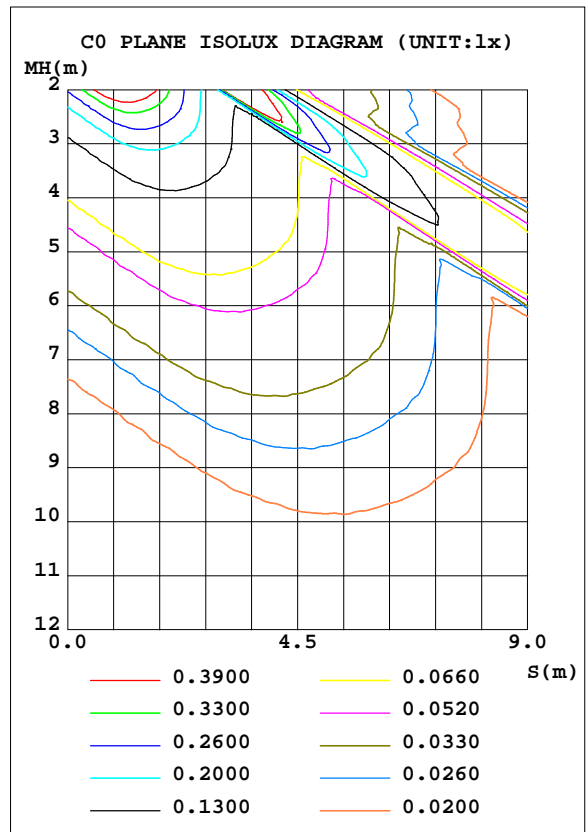
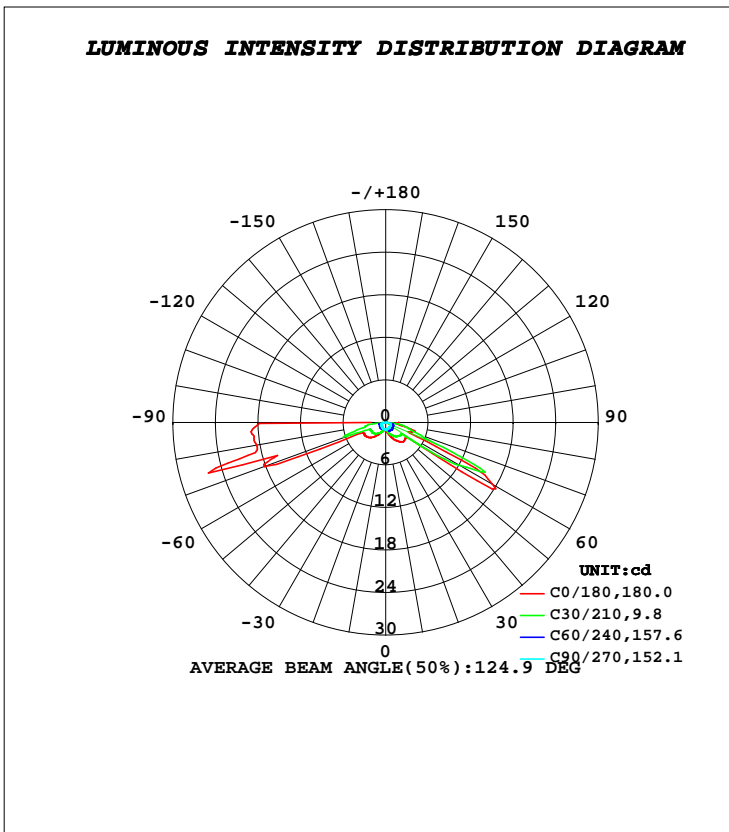


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|------------------|-------------|------------------|--------|--------------------|----------|
| MODEL | KS-TMDM-Q2W | Imax(cd) | 26.02 | S/MH(C0/180) | 3.01 |
| NOMINAL POWER(W) | 1 | LOR(%) | 100.0 | S/MH(C90/270) | 1.33 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 13.596 | η UP, DN(C0-180) | 0.0,48.6 |
| NOMINAL FLUX(lm) | 13.5958 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,51.4 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 24 | η down(%) | 100.0 | CIBSE SHR MAX | 0.75 |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

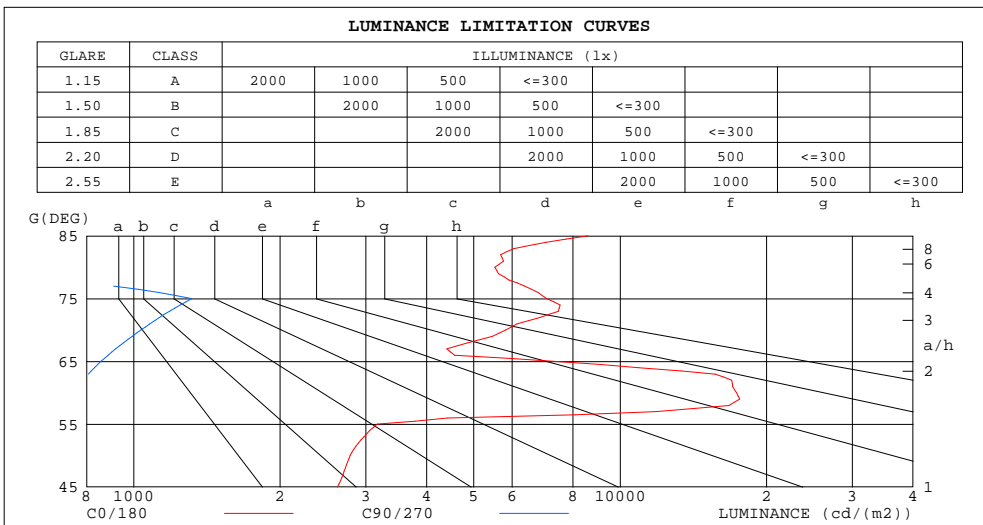
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|--------|--------|-------|--------|--------|-------|----------|-------------|--------------|-----------|
| 10 | 1.443 | 1.196 | 0.9978 | 0.9878 | 1.003 | 0.9990 | 1.019 | 1.210 | 0- 10 | 0.1027 | 0.1027 | 0.76,0.76 |
| 20 | 2.164 | 1.416 | 0.9403 | 1.114 | 1.284 | 1.159 | 0.9848 | 1.474 | 10- 20 | 0.3414 | 0.4441 | 3.27,3.27 |
| 30 | 2.963 | 1.746 | 0.9091 | 1.234 | 1.919 | 1.315 | 0.9796 | 1.841 | 20- 30 | 0.6793 | 1.123 | 8.26,8.26 |
| 40 | 3.605 | 1.906 | 0.8411 | 1.361 | 2.710 | 1.461 | 0.8908 | 2.058 | 30- 40 | 1.093 | 2.217 | 16.3,16.3 |
| 50 | 3.581 | 1.844 | 0.7862 | 1.459 | 3.260 | 1.533 | 0.8176 | 1.975 | 40- 50 | 1.483 | 3.699 | 27.2,27.2 |
| 60 | 17.35 | 1.732 | 0.7445 | 1.426 | 3.511 | 1.467 | 0.7602 | 1.768 | 50- 60 | 2.244 | 5.944 | 43.7,43.7 |
| 70 | 3.981 | 1.630 | 0.7079 | 1.346 | 18.21 | 1.427 | 0.7184 | 1.587 | 60- 70 | 3.767 | 9.711 | 71.4,71.4 |
| 80 | 1.919 | 1.102 | 0 | 1.198 | 18.47 | 1.242 | 0 | 1.141 | 70- 80 | 2.943 | 12.65 | 93.1,93.1 |
| 90 | 1.919 | 0 | 0 | 0 | 2.048 | 0 | 0 | 0 | 80- 90 | 0.9416 | 13.60 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |



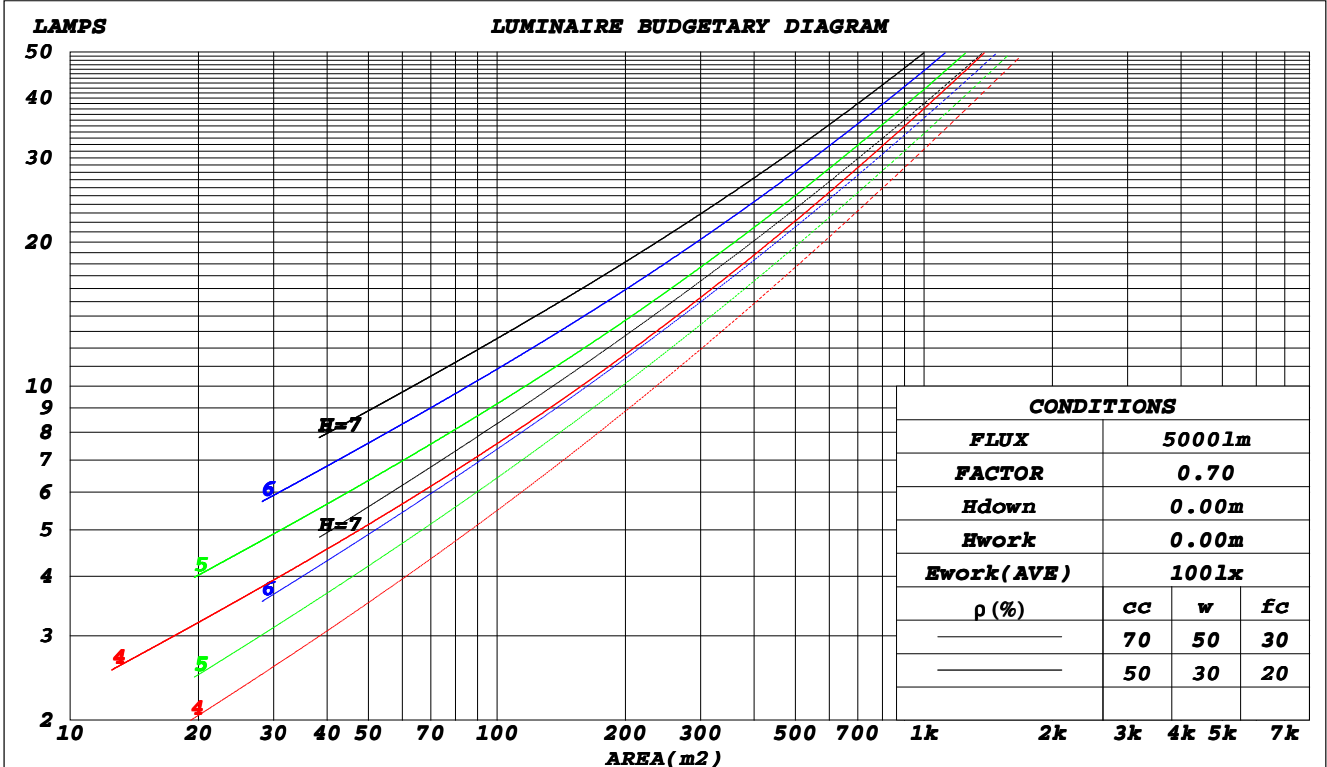
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 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 | 1.00 |
| 1.0 | .95 | .88 | .82 | .93 | .86 | .81 | .88 | .83 | .78 | .84 | .80 | .76 | .80 | .77 | .73 | .71 |
| 2.0 | .77 | .67 | .58 | .75 | .65 | .58 | .71 | .63 | .56 | .67 | .60 | .55 | .64 | .58 | .53 | .50 |
| 3.0 | .63 | .52 | .43 | .62 | .51 | .42 | .58 | .49 | .42 | .55 | .47 | .41 | .52 | .46 | .40 | .37 |
| 4.0 | .54 | .42 | .33 | .52 | .41 | .33 | .49 | .40 | .32 | .47 | .38 | .31 | .44 | .37 | .31 | .28 |
| 5.0 | .46 | .35 | .26 | .45 | .34 | .26 | .42 | .33 | .25 | .40 | .32 | .25 | .38 | .31 | .25 | .22 |
| 6.0 | .40 | .29 | .21 | .39 | .29 | .21 | .37 | .28 | .21 | .35 | .27 | .20 | .34 | .26 | .20 | .18 |
| 7.0 | .36 | .25 | .18 | .35 | .25 | .18 | .33 | .24 | .17 | .32 | .23 | .17 | .30 | .23 | .17 | .15 |
| 8.0 | .32 | .22 | .15 | .31 | .22 | .15 | .30 | .21 | .15 | .29 | .21 | .15 | .27 | .20 | .14 | .12 |
| 9.0 | .29 | .20 | .13 | .29 | .19 | .13 | .27 | .19 | .13 | .26 | .18 | .13 | .25 | .18 | .13 | .10 |
| 10.0 | .27 | .18 | .11 | .26 | .17 | .11 | .25 | .17 | .11 | .24 | .16 | .11 | .23 | .16 | .11 | .09 |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|------------------------------|------|------|------|------|------|----------------------------------------|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .481 | .273 | .087 | .473 | .270 | .086 | .459 | .263 | .084 | .446 | .257 | .083 | .434 | .252 | .081 | |
| 2.0 | .424 | .232 | .071 | .417 | .230 | .071 | .404 | .225 | .070 | .392 | .220 | .069 | .381 | .216 | .068 | |
| 3.0 | .373 | .198 | .059 | .367 | .196 | .059 | .355 | .192 | .058 | .344 | .189 | .058 | .334 | .185 | .057 | |
| 4.0 | .330 | .171 | .050 | .324 | .170 | .050 | .314 | .166 | .050 | .304 | .163 | .049 | .295 | .161 | .049 | |
| 5.0 | .294 | .150 | .043 | .290 | .149 | .043 | .280 | .146 | .043 | .272 | .143 | .043 | .264 | .141 | .042 | |
| 6.0 | .265 | .133 | .038 | .261 | .132 | .038 | .253 | .130 | .038 | .245 | .127 | .037 | .238 | .125 | .037 | |
| 7.0 | .241 | .119 | .034 | .237 | .118 | .034 | .230 | .116 | .033 | .223 | .114 | .033 | .217 | .113 | .033 | |
| 8.0 | .221 | .108 | .030 | .217 | .107 | .030 | .211 | .105 | .030 | .205 | .104 | .030 | .199 | .102 | .030 | |
| 9.0 | .203 | .098 | .027 | .200 | .098 | .027 | .195 | .096 | .027 | .189 | .095 | .027 | .184 | .093 | .027 | |
| 10.0 | .189 | .090 | .025 | .186 | .090 | .025 | .181 | .088 | .025 | .176 | .087 | .025 | .171 | .086 | .025 | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|------------------------------|------|------|------|------|------|---------------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .192 | .155 | .121 | .164 | .133 | .104 | .112 | .091 | .072 | .065 | .053 | .042 | .021 | .017 | .014 | |
| 2.0 | .190 | .131 | .082 | .163 | .113 | .071 | .111 | .078 | .049 | .064 | .045 | .029 | .021 | .015 | .009 | |
| 3.0 | .184 | .115 | .060 | .158 | .099 | .052 | .108 | .069 | .036 | .063 | .040 | .021 | .020 | .013 | .007 | |
| 4.0 | .177 | .103 | .046 | .152 | .089 | .040 | .104 | .062 | .028 | .060 | .036 | .017 | .019 | .012 | .006 | |
| 5.0 | .168 | .093 | .038 | .145 | .081 | .033 | .100 | .056 | .023 | .058 | .033 | .014 | .019 | .011 | .005 | |
| 6.0 | .160 | .085 | .032 | .137 | .074 | .028 | .095 | .052 | .020 | .055 | .030 | .012 | .018 | .010 | .004 | |
| 7.0 | .151 | .078 | .027 | .130 | .068 | .024 | .090 | .048 | .017 | .052 | .028 | .010 | .017 | .009 | .003 | |
| 8.0 | .143 | .073 | .024 | .123 | .063 | .021 | .085 | .044 | .015 | .050 | .026 | .009 | .016 | .009 | .003 | |
| 9.0 | .136 | .068 | .022 | .117 | .059 | .019 | .081 | .041 | .013 | .047 | .024 | .008 | .015 | .008 | .003 | |
| 10.0 | .129 | .063 | .020 | .111 | .055 | .017 | .077 | .039 | .012 | .045 | .023 | .007 | .015 | .008 | .002 | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|----------------------------------------------------------------------------------|-------------------------|-------------|-------------|-------------|-------------|-----------------------|-------------|------------------------|-------------|-------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | | | | | | | | | |
| NAME: KS-TMDM-Q2W | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.:KS-TMDM-Q2W | | |
| MFR.: KAMS | | | | | SUR.: | | | 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 | 41.4 | 43.3 | 41.7 | 43.6 | 43.8 | 24.5 | 26.4 | 24.8 | 26.7 | 26.9 |
| 3H | 42.0 | 43.8 | 42.3 | 44.1 | 44.4 | 26.7 | 28.5 | 27.0 | 28.8 | 29.1 |
| 4H | 42.5 | 44.3 | 42.9 | 44.6 | 44.9 | 28.0 | 29.7 | 28.3 | 30.0 | 30.3 |
| 6H | 42.9 | 44.6 | 43.2 | 44.9 | 45.2 | 28.2 | 29.9 | 28.5 | 30.2 | 30.5 |
| 8H | 43.0 | 44.6 | 43.4 | 45.0 | 45.3 | 28.1 | 29.7 | 28.5 | 30.1 | 30.4 |
| 12H | 43.1 | 44.7 | 43.5 | 45.1 | 45.4 | 28.0 | 29.6 | 28.4 | 29.9 | 30.3 |
| 4H 2H | 41.4 | 43.2 | 41.7 | 43.5 | 43.7 | 32.2 | 34.0 | 32.6 | 34.3 | 34.6 |
| 3H | 42.3 | 43.9 | 42.6 | 44.2 | 44.5 | 32.7 | 34.3 | 33.0 | 34.6 | 34.9 |
| 4H | 43.0 | 44.5 | 43.4 | 44.8 | 45.2 | 33.1 | 34.5 | 33.5 | 34.9 | 35.2 |
| 6H | 43.6 | 44.9 | 44.0 | 45.3 | 45.7 | 33.1 | 34.4 | 33.5 | 34.8 | 35.2 |
| 8H | 43.8 | 45.0 | 44.2 | 45.4 | 45.8 | 33.0 | 34.3 | 33.5 | 34.7 | 35.1 |
| 12H | 44.0 | 45.2 | 44.5 | 45.6 | 46.0 | 33.0 | 34.2 | 33.4 | 34.6 | 35.0 |
| 8H 4H | 42.9 | 44.2 | 43.4 | 44.6 | 45.0 | 34.7 | 35.9 | 35.1 | 36.3 | 36.7 |
| 6H | 43.8 | 44.8 | 44.2 | 45.3 | 45.7 | 34.8 | 35.8 | 35.2 | 36.3 | 36.7 |
| 8H | 44.2 | 45.1 | 44.6 | 45.6 | 46.0 | 34.7 | 35.7 | 35.2 | 36.1 | 36.6 |
| 12H | 44.6 | 45.5 | 45.1 | 45.9 | 46.4 | 34.7 | 35.5 | 35.2 | 36.0 | 36.5 |
| 12H 4H | 42.9 | 44.1 | 43.3 | 44.5 | 44.9 | 35.2 | 36.4 | 35.7 | 36.8 | 37.2 |
| 6H | 43.7 | 44.7 | 44.2 | 45.1 | 45.6 | 35.3 | 36.3 | 35.8 | 36.8 | 37.2 |
| 8H | 44.2 | 45.0 | 44.6 | 45.5 | 46.0 | 35.3 | 36.2 | 35.8 | 36.6 | 37.1 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.2 / - 1.6 | | | | | + 0.4 / - 0.6 | | | | |
| 1.5H | + 0.8 / - 0.3 | | | | | + 1.7 / - 1.6 | | | | |
| 2.0H | + 3.3 / - 2.6 | | | | | + 3.2 / - 1.9 | | | | |

CIE Pub.117, 13.60 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -14.9$)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

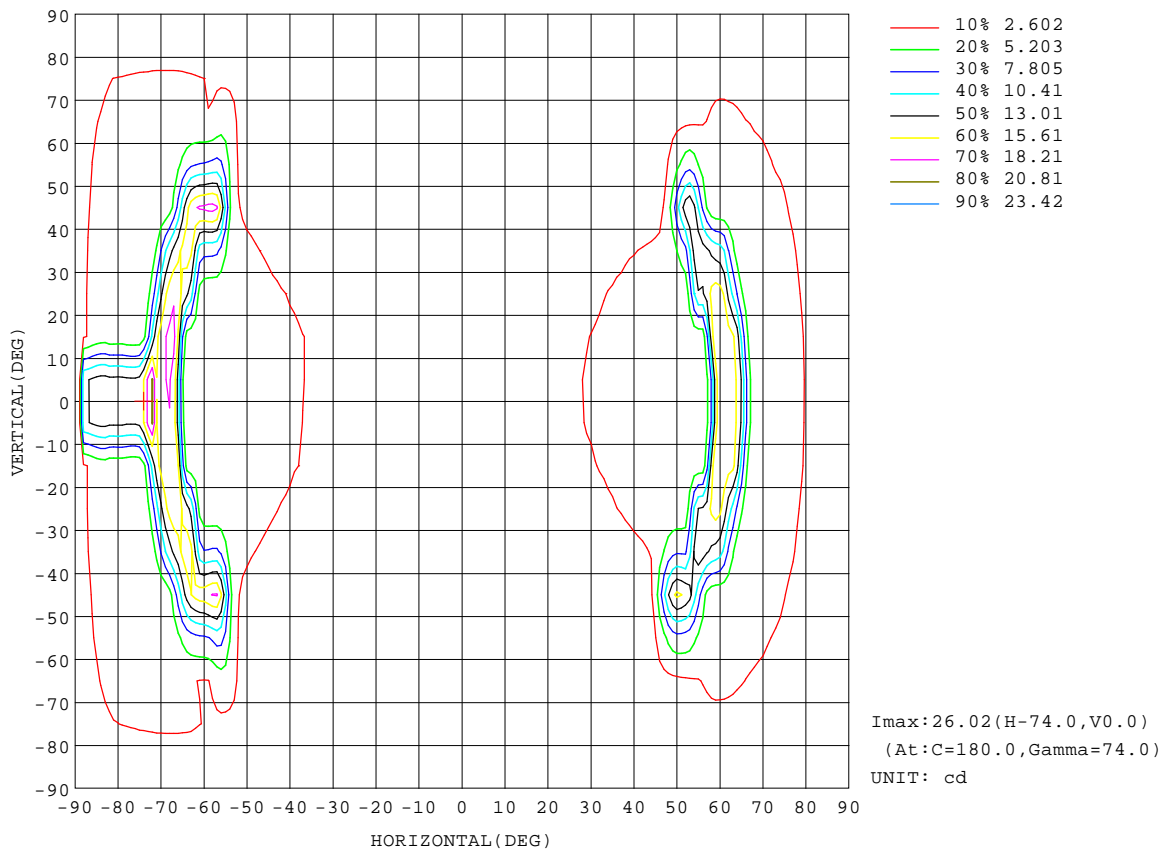
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 43 | 29 | 21 | 43 | 29 | 21 | 41 | 28 | 20 | 13 |
| 0.80 | 52 | 37 | 27 | 50 | 36 | 27 | 48 | 35 | 26 | 18 |
| 1.00 | 59 | 44 | 34 | 57 | 43 | 33 | 55 | 46 | 33 | 23 |
| 1.25 | 66 | 51 | 41 | 64 | 50 | 41 | 61 | 49 | 40 | 30 |
| 1.50 | 72 | 58 | 47 | 70 | 57 | 47 | 66 | 55 | 46 | 36 |
| 2.00 | 81 | 68 | 58 | 79 | 67 | 58 | 75 | 64 | 56 | 46 |
| 2.50 | 87 | 75 | 66 | 85 | 74 | 65 | 80 | 71 | 63 | 53 |
| 3.00 | 92 | 81 | 73 | 90 | 80 | 72 | 85 | 77 | 70 | 59 |
| 4.00 | 98 | 90 | 82 | 96 | 88 | 81 | 91 | 84 | 78 | 68 |
| 5.00 | 102 | 95 | 89 | 100 | 93 | 87 | 95 | 89 | 84 | 74 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |



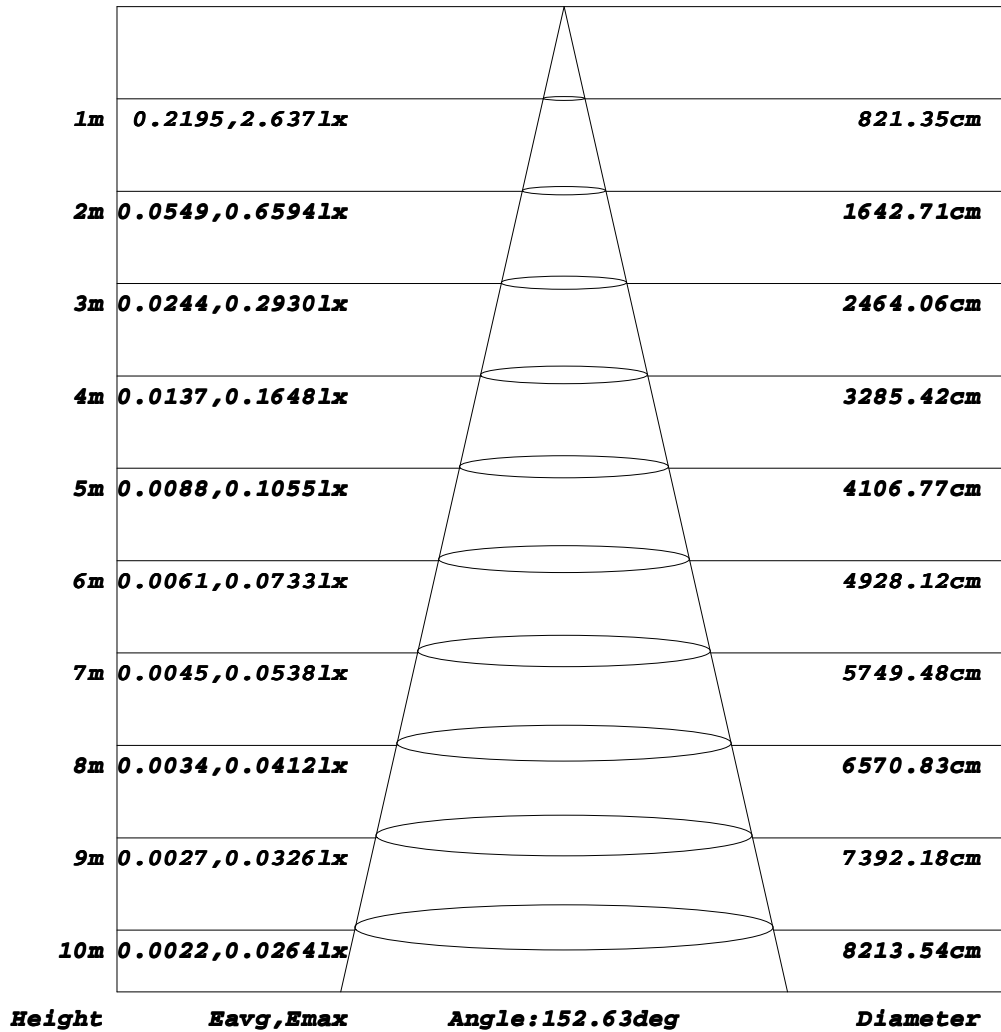
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-08-09

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

AAI Figure

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

Flux out:11.96 lm



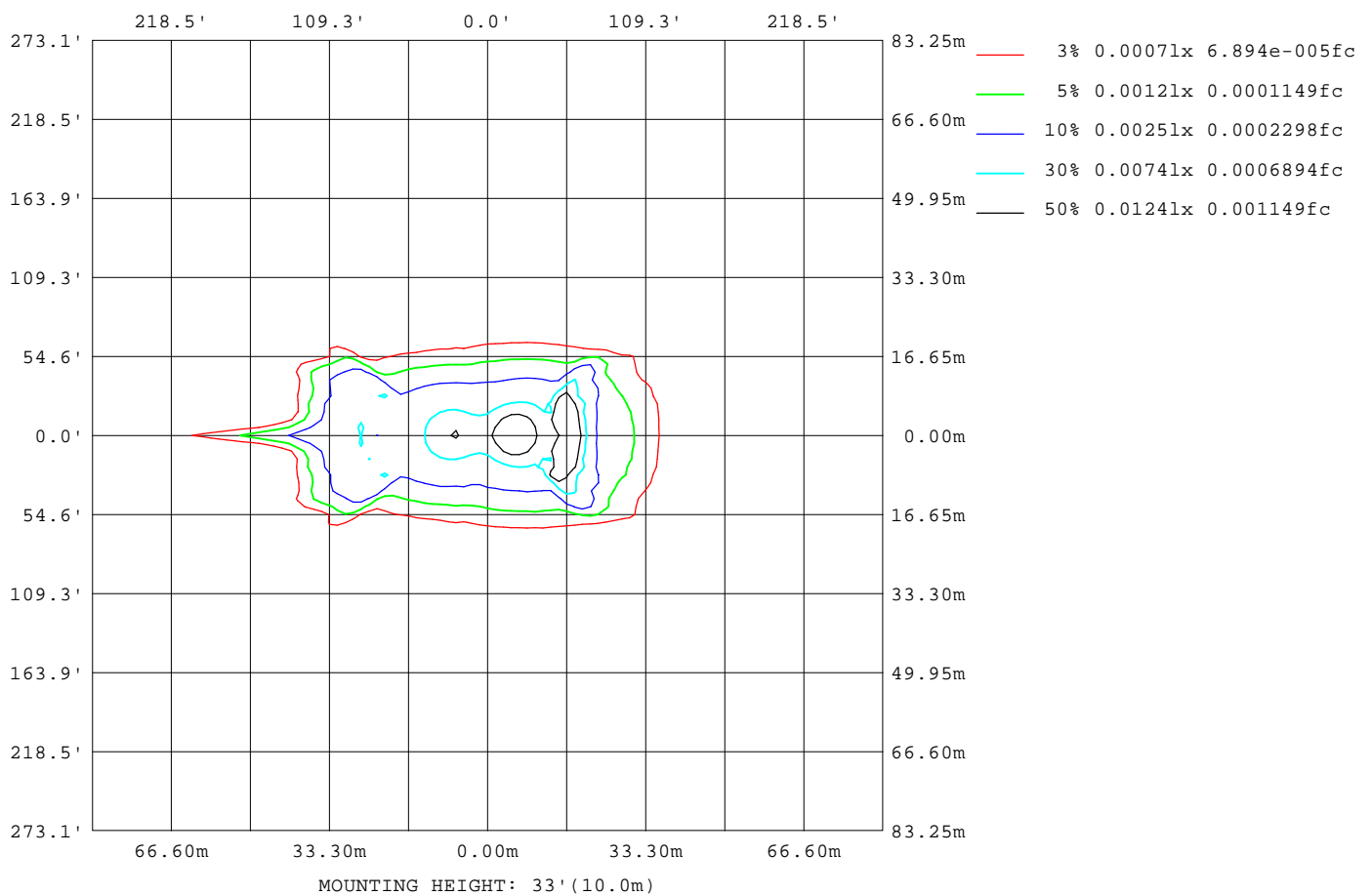
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-08-09

V(B) Range: -75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

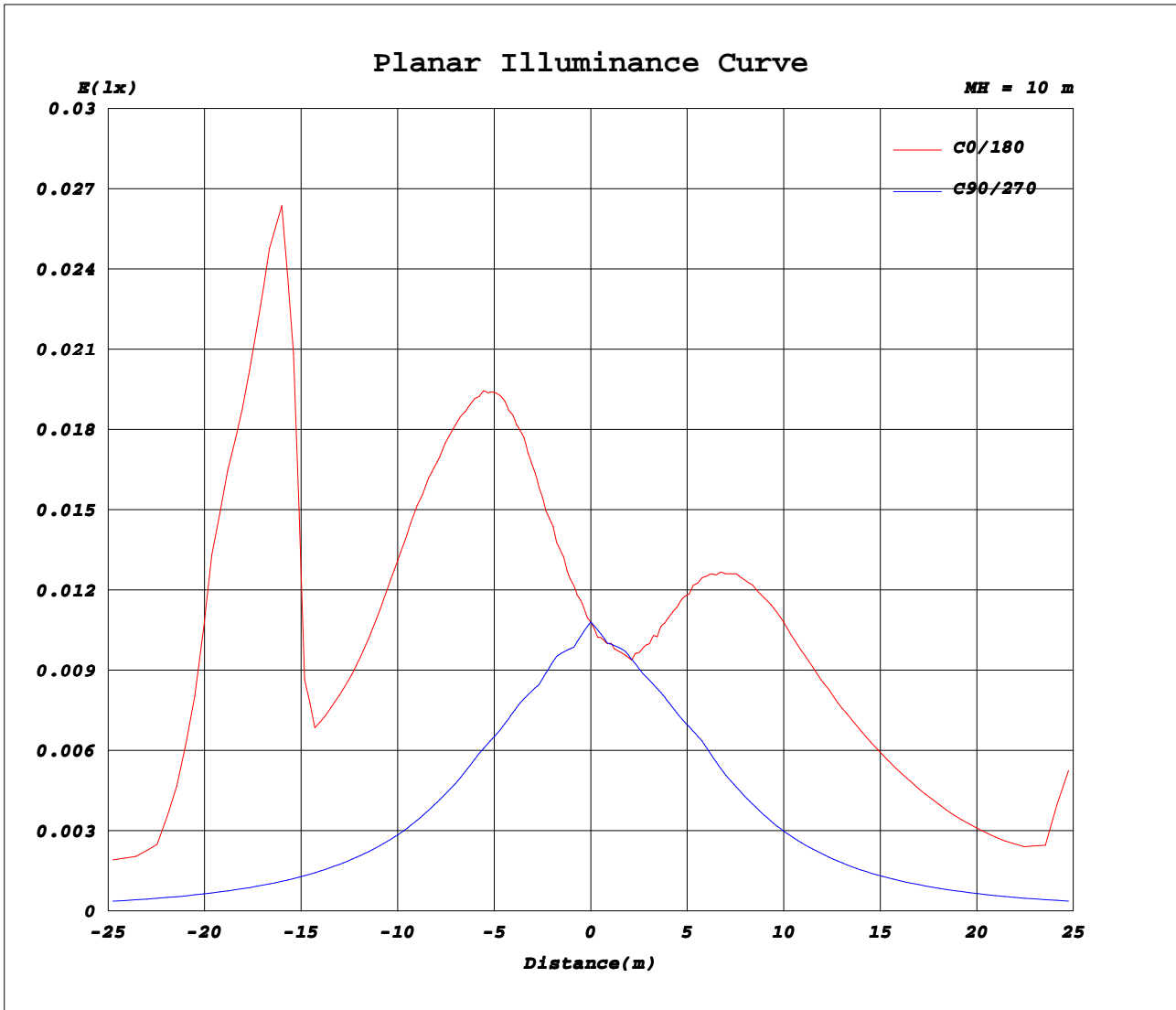
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 5719 |
| L_0~180(75)av | 27467 |
| L_0~180(85)av | 58638 |
| L_90~270(65)av | 861 |
| L_90~270(75)av | 1325 |
| L_90~270(85)av | 0 |
| L_45(65)av | 1809 |
| L_45(75)av | 2887 |
| L_45(85)av | 0 |

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-08-09

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958xl lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 5 | 1.23 | 1.22 | 1.21 | 1.20 | 1.18 | 1.17 | 1.16 | 1.14 | 1.13 | 1.11 | 1.09 | 1.08 | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | 1.00 |
| 10 | 1.44 | 1.42 | 1.39 | 1.36 | 1.32 | 1.28 | 1.24 | 1.23 | 1.21 | 1.20 | 1.17 | 1.15 | 1.13 | 1.10 | 1.09 | 1.07 | 1.05 | 1.02 | 1.00 |
| 15 | 1.76 | 1.70 | 1.64 | 1.57 | 1.52 | 1.51 | 1.48 | 1.45 | 1.43 | 1.36 | 1.29 | 1.21 | 1.15 | 1.09 | 1.06 | 1.03 | 0.97 | 0.95 | 0.94 |
| 20 | 2.16 | 2.07 | 1.97 | 1.88 | 1.87 | 1.84 | 1.79 | 1.67 | 1.53 | 1.42 | 1.34 | 1.28 | 1.22 | 1.15 | 1.09 | 1.05 | 1.02 | 0.98 | 0.94 |
| 25 | 2.59 | 2.46 | 2.31 | 2.28 | 2.26 | 2.15 | 1.98 | 1.81 | 1.72 | 1.63 | 1.54 | 1.42 | 1.28 | 1.18 | 1.08 | 1.01 | 0.97 | 0.93 | 0.91 |
| 30 | 2.96 | 2.81 | 2.68 | 2.67 | 2.55 | 2.37 | 2.20 | 2.09 | 1.96 | 1.75 | 1.55 | 1.39 | 1.30 | 1.21 | 1.11 | 1.03 | 0.98 | 0.94 | 0.91 |
| 35 | 3.31 | 3.13 | 3.04 | 3.00 | 2.76 | 2.59 | 2.47 | 2.22 | 1.97 | 1.79 | 1.65 | 1.51 | 1.34 | 1.21 | 1.08 | 0.97 | 0.93 | 0.88 | 0.87 |
| 40 | 3.61 | 3.40 | 3.34 | 3.20 | 2.99 | 2.87 | 2.57 | 2.29 | 2.12 | 1.91 | 1.64 | 1.42 | 1.26 | 1.14 | 1.05 | 0.96 | 0.90 | 0.88 | 0.84 |
| 45 | 3.71 | 3.61 | 3.54 | 3.37 | 3.21 | 2.93 | 2.68 | 2.50 | 2.13 | 1.80 | 1.61 | 1.41 | 1.24 | 1.08 | 0.99 | 0.89 | 0.85 | 0.83 | 0.81 |
| 50 | 3.58 | 3.57 | 3.48 | 3.39 | 3.21 | 2.99 | 2.76 | 2.39 | 2.11 | 1.84 | 1.54 | 1.26 | 1.12 | 1.03 | 0.94 | 0.90 | 0.84 | 0.81 | 0.79 |
| 55 | 3.63 | 4.24 | 3.47 | 7.25 | 3.60 | 3.78 | 3.87 | 2.61 | 2.01 | 1.65 | 1.49 | 1.33 | 1.15 | 1.03 | 0.93 | 0.87 | 0.81 | 0.78 | 0.77 |
| 60 | 17.3 | 16.9 | 16.1 | 14.4 | 17.4 | 8.54 | 12.1 | 4.47 | 2.03 | 1.73 | 1.46 | 1.25 | 1.09 | 1.00 | 0.92 | 0.86 | 0.81 | 0.77 | 0.74 |
| 65 | 6.18 | 6.46 | 7.23 | 7.68 | 11.0 | 8.49 | 12.7 | 10.5 | 2.58 | 1.66 | 1.44 | 1.25 | 1.10 | 0.96 | 0.87 | 0.81 | 0.76 | 0.74 | 0.72 |
| 70 | 3.98 | 3.76 | 3.72 | 3.54 | 3.56 | 3.38 | 5.14 | 4.71 | 2.13 | 1.63 | 1.33 | 1.15 | 1.01 | 0.91 | 0.84 | 0.77 | 0.73 | 0.71 | 0.71 |
| 75 | 3.66 | 3.89 | 4.00 | 4.13 | 3.47 | 3.43 | 3.34 | 2.32 | 1.89 | 1.57 | 1.31 | 1.10 | 0.94 | 0.84 | 0.76 | 0.70 | 0.69 | 0.68 | 0.68 |
| 80 | 1.92 | 2.35 | 2.44 | 2.49 | 2.39 | 2.59 | 2.47 | 1.99 | 1.61 | 1.10 | 0.70 | 0.45 | 0.27 | 0.17 | 0.09 | 0.05 | 0.02 | 0.01 | 0.00 |
| 85 | 1.50 | 1.51 | 1.53 | 1.64 | 1.46 | 0.64 | 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 |
| 90 | 1.92 | 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 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 5 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 |
| 10 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.01 | 1.00 | 1.00 | 1.01 |
| 15 | 0.94 | 0.94 | 0.95 | 0.96 | 0.97 | 0.98 | 0.99 | 1.00 | 1.01 | 1.01 | 1.04 | 1.06 | 1.09 | 1.12 | 1.12 | 1.11 | 1.10 | 1.09 | 1.11 |
| 20 | 0.93 | 0.92 | 0.93 | 0.94 | 0.96 | 0.99 | 1.02 | 1.08 | 1.11 | 1.14 | 1.15 | 1.17 | 1.21 | 1.27 | 1.33 | 1.33 | 1.31 | 1.28 | 1.32 |
| 25 | 0.90 | 0.90 | 0.91 | 0.92 | 0.94 | 0.97 | 1.01 | 1.06 | 1.15 | 1.26 | 1.38 | 1.40 | 1.42 | 1.46 | 1.56 | 1.63 | 1.60 | 1.56 | 1.62 |
| 30 | 0.89 | 0.88 | 0.88 | 0.89 | 0.91 | 0.99 | 1.09 | 1.16 | 1.23 | 1.31 | 1.46 | 1.65 | 1.74 | 1.77 | 1.84 | 1.98 | 1.98 | 1.92 | 2.00 |
| 35 | 0.83 | 0.83 | 0.85 | 0.86 | 0.91 | 0.98 | 1.07 | 1.17 | 1.35 | 1.53 | 1.63 | 1.77 | 2.01 | 2.15 | 2.14 | 2.32 | 2.39 | 2.30 | 2.41 |
| 40 | 0.81 | 0.79 | 0.81 | 0.85 | 0.94 | 1.03 | 1.13 | 1.25 | 1.36 | 1.57 | 1.82 | 2.01 | 2.17 | 2.48 | 2.57 | 2.64 | 2.78 | 2.71 | 2.81 |
| 45 | 0.74 | 0.76 | 0.79 | 0.88 | 0.94 | 1.01 | 1.11 | 1.30 | 1.51 | 1.68 | 1.87 | 2.19 | 2.44 | 2.62 | 2.92 | 2.92 | 3.09 | 3.06 | 3.12 |
| 50 | 0.74 | 0.74 | 0.77 | 0.86 | 0.94 | 1.03 | 1.18 | 1.30 | 1.46 | 1.74 | 2.04 | 2.25 | 2.58 | 2.82 | 3.07 | 3.19 | 3.29 | 3.26 | 3.31 |
| 55 | 0.73 | 0.74 | 0.76 | 0.85 | 0.90 | 0.97 | 1.10 | 1.29 | 1.54 | 1.71 | 1.98 | 2.39 | 2.64 | 2.98 | 3.15 | 3.39 | 3.44 | 3.44 | 3.45 |
| 60 | 0.73 | 0.72 | 0.73 | 0.79 | 0.86 | 0.95 | 1.09 | 1.25 | 1.43 | 1.67 | 2.05 | 2.31 | 2.76 | 3.23 | 3.21 | 3.36 | 3.44 | 3.51 | 3.46 |
| 65 | 0.71 | 0.71 | 0.73 | 0.80 | 0.83 | 0.91 | 0.97 | 1.15 | 1.37 | 1.70 | 1.93 | 2.43 | 7.52 | 9.19 | 3.50 | 5.02 | 3.88 | 3.49 | 3.84 |
| 70 | 0.69 | 0.70 | 0.72 | 0.78 | 0.82 | 0.90 | 1.04 | 1.21 | 1.35 | 1.56 | 1.89 | 5.54 | 13.6 | 15.1 | 15.9 | 16.9 | 17.1 | 18.2 | 17.8 |
| 75 | 0.69 | 0.69 | 0.72 | 0.78 | 0.79 | 0.93 | 1.04 | 1.18 | 1.39 | 1.65 | 2.55 | 4.47 | 4.86 | 8.86 | 4.60 | 6.66 | 6.75 | 24.8 | 6.61 |
| 80 | 0.01 | 0.02 | 0.05 | 0.10 | 0.16 | 0.29 | 0.47 | 0.75 | 1.20 | 1.73 | 2.01 | 2.86 | 2.69 | 2.89 | 3.07 | 3.33 | 3.38 | 18.5 | 3.43 |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 2.91 | 3.16 | 3.46 | 3.49 | 18.9 | 3.54 |
| 90 | 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 | 2.05 | 0.00 |
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

Table--3

UNIT: cd

| C (DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| 5 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.02 | 1.03 |
| 10 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.02 | 1.04 | 1.07 |
| 15 | 1.12 | 1.13 | 1.14 | 1.11 | 1.08 | 1.05 | 1.03 | 1.03 | 1.02 | 1.01 | 1.01 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 |
| 20 | 1.35 | 1.35 | 1.30 | 1.25 | 1.20 | 1.19 | 1.18 | 1.16 | 1.12 | 1.06 | 1.02 | 1.00 | 0.98 | 0.97 | 0.98 | 0.98 | 0.98 | 1.02 | 1.06 |
| 25 | 1.66 | 1.60 | 1.51 | 1.48 | 1.47 | 1.45 | 1.33 | 1.22 | 1.12 | 1.06 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.97 | 0.97 | 0.98 | 1.02 |
| 30 | 2.02 | 1.89 | 1.83 | 1.83 | 1.73 | 1.55 | 1.39 | 1.31 | 1.23 | 1.16 | 1.05 | 0.99 | 0.97 | 0.96 | 0.94 | 0.96 | 0.98 | 1.00 | 1.06 |
| 35 | 2.37 | 2.22 | 2.25 | 2.11 | 1.86 | 1.73 | 1.62 | 1.45 | 1.27 | 1.13 | 1.05 | 0.98 | 0.95 | 0.93 | 0.92 | 0.91 | 0.92 | 0.94 | 0.98 |
| 40 | 2.69 | 2.65 | 2.58 | 2.27 | 2.11 | 1.94 | 1.68 | 1.46 | 1.35 | 1.23 | 1.10 | 1.01 | 0.93 | 0.90 | 0.88 | 0.88 | 0.89 | 0.91 | 0.94 |
| 45 | 2.99 | 3.03 | 2.72 | 2.52 | 2.30 | 1.97 | 1.79 | 1.60 | 1.38 | 1.20 | 1.07 | 1.00 | 0.93 | 0.89 | 0.86 | 0.85 | 0.85 | 0.85 | 0.86 |
| 50 | 3.24 | 3.14 | 2.90 | 2.66 | 2.33 | 2.13 | 1.82 | 1.53 | 1.37 | 1.22 | 1.10 | 0.98 | 0.89 | 0.84 | 0.81 | 0.81 | 0.82 | 0.82 | 0.86 |
| 55 | 3.43 | 3.21 | 3.05 | 2.71 | 2.46 | 2.07 | 1.81 | 1.59 | 1.34 | 1.15 | 1.03 | 0.93 | 0.86 | 0.80 | 0.78 | 0.78 | 0.78 | 0.79 | 0.82 |
| 60 | 3.39 | 3.25 | 3.24 | 2.81 | 2.37 | 2.12 | 1.76 | 1.47 | 1.28 | 1.14 | 1.00 | 0.88 | 0.82 | 0.74 | 0.73 | 0.75 | 0.76 | 0.78 | 0.81 |
| 65 | 4.84 | 3.52 | 9.38 | 6.87 | 2.46 | 2.01 | 1.76 | 1.46 | 1.18 | 1.02 | 0.94 | 0.86 | 0.81 | 0.75 | 0.72 | 0.73 | 0.73 | 0.75 | 0.78 |
| 70 | 17.3 | 16.0 | 16.4 | 13.4 | 5.11 | 1.99 | 1.62 | 1.43 | 1.24 | 1.08 | 0.95 | 0.87 | 0.80 | 0.76 | 0.72 | 0.71 | 0.72 | 0.72 | 0.74 |
| 75 | 6.42 | 4.60 | 9.45 | 5.19 | 4.28 | 2.50 | 1.73 | 1.44 | 1.21 | 1.08 | 0.96 | 0.89 | 0.82 | 0.77 | 0.73 | 0.71 | 0.69 | 0.70 | 0.69 |
| 80 | 3.44 | 3.19 | 2.94 | 2.71 | 2.86 | 2.12 | 1.81 | 1.24 | 0.78 | 0.48 | 0.30 | 0.18 | 0.10 | 0.05 | 0.02 | 0.01 | 0.00 | 0.01 | 0.02 |
| 85 | 3.41 | 3.15 | 2.78 | 1.04 | 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 |
| 90 | 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 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|----------------------------------------------------------------------------------|-------|------------------------|
| Test:U:24.000V I:0.0460A P:1.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:13.5958x1 lm | | |
| NAME: KS-TMDM-Q2W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-Q2W |
| MFR.: KAMS | SUR.: | Shielding Angle: |

Table--4

UNIT: cd

| C (DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | | | | |
| 5 | 1.04 | 1.05 | 1.06 | 1.07 | 1.08 | 1.10 | 1.12 | 1.13 | 1.15 | 1.16 | 1.17 | 1.19 | 1.20 | 1.21 | 1.22 | | | | |
| 10 | 1.09 | 1.10 | 1.12 | 1.15 | 1.17 | 1.19 | 1.21 | 1.23 | 1.24 | 1.25 | 1.29 | 1.33 | 1.36 | 1.39 | 1.42 | | | | |
| 15 | 1.05 | 1.08 | 1.12 | 1.18 | 1.24 | 1.32 | 1.39 | 1.46 | 1.49 | 1.51 | 1.53 | 1.54 | 1.59 | 1.65 | 1.71 | | | | |
| 20 | 1.10 | 1.14 | 1.21 | 1.27 | 1.33 | 1.39 | 1.47 | 1.58 | 1.70 | 1.83 | 1.88 | 1.90 | 1.90 | 1.98 | 2.08 | | | | |
| 25 | 1.07 | 1.15 | 1.25 | 1.36 | 1.48 | 1.60 | 1.70 | 1.79 | 1.88 | 2.04 | 2.20 | 2.30 | 2.32 | 2.33 | 2.47 | | | | |
| 30 | 1.12 | 1.21 | 1.29 | 1.39 | 1.49 | 1.64 | 1.84 | 2.05 | 2.19 | 2.29 | 2.46 | 2.64 | 2.73 | 2.73 | 2.83 | | | | |
| 35 | 1.05 | 1.16 | 1.30 | 1.45 | 1.65 | 1.77 | 1.91 | 2.10 | 2.37 | 2.60 | 2.72 | 2.89 | 3.09 | 3.10 | 3.16 | | | | |
| 40 | 1.03 | 1.12 | 1.22 | 1.35 | 1.52 | 1.77 | 2.06 | 2.28 | 2.44 | 2.75 | 3.03 | 3.15 | 3.33 | 3.44 | 3.45 | | | | |
| 45 | 0.94 | 1.02 | 1.16 | 1.33 | 1.52 | 1.72 | 1.94 | 2.30 | 2.69 | 2.86 | 3.11 | 3.37 | 3.51 | 3.61 | 3.65 | | | | |
| 50 | 0.92 | 0.99 | 1.08 | 1.19 | 1.36 | 1.64 | 1.97 | 2.24 | 2.56 | 2.92 | 3.13 | 3.33 | 3.51 | 3.58 | 3.61 | | | | |
| 55 | 0.88 | 0.95 | 1.06 | 1.21 | 1.38 | 1.55 | 1.75 | 2.12 | 2.48 | 2.79 | 3.19 | 3.62 | 7.16 | 3.54 | 4.31 | | | | |
| 60 | 0.88 | 0.93 | 1.02 | 1.12 | 1.26 | 1.49 | 1.77 | 2.02 | 2.28 | 7.89 | 8.41 | 17.1 | 14.4 | 16.3 | 17.0 | | | | |
| 65 | 0.80 | 0.88 | 0.98 | 1.09 | 1.24 | 1.43 | 1.63 | 1.93 | 6.13 | 12.3 | 9.28 | 11.0 | 8.32 | 7.47 | 6.72 | | | | |
| 70 | 0.78 | 0.86 | 0.94 | 1.04 | 1.15 | 1.32 | 1.59 | 1.97 | 3.60 | 5.58 | 3.12 | 3.33 | 3.34 | 3.62 | 3.68 | | | | |
| 75 | 0.71 | 0.80 | 0.87 | 1.00 | 1.11 | 1.30 | 1.58 | 1.84 | 2.21 | 3.15 | 3.40 | 3.39 | 4.14 | 4.06 | 3.93 | | | | |
| 80 | 0.05 | 0.10 | 0.17 | 0.29 | 0.45 | 0.70 | 1.14 | 1.70 | 2.02 | 2.56 | 2.68 | 2.49 | 2.56 | 2.54 | 2.40 | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 1.59 | 1.74 | 1.59 | 1.59 | | | | |
| 90 | 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 | | | | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks: