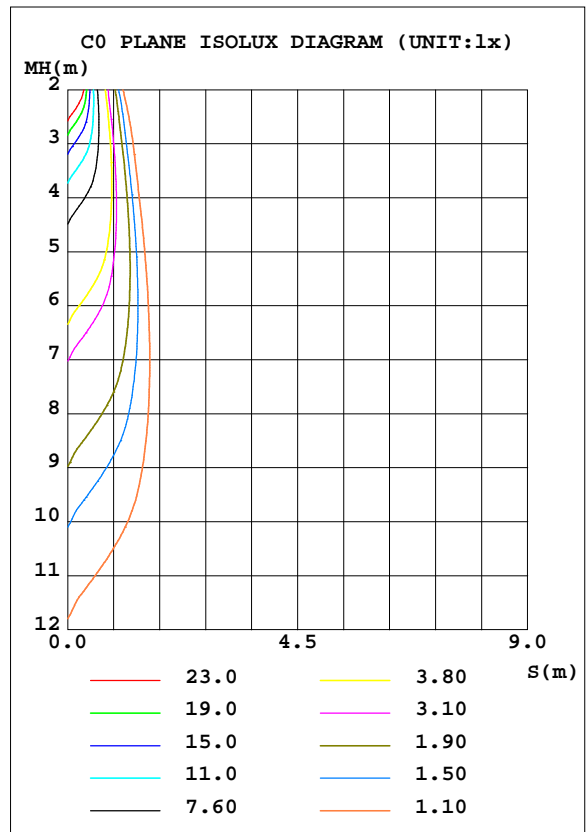
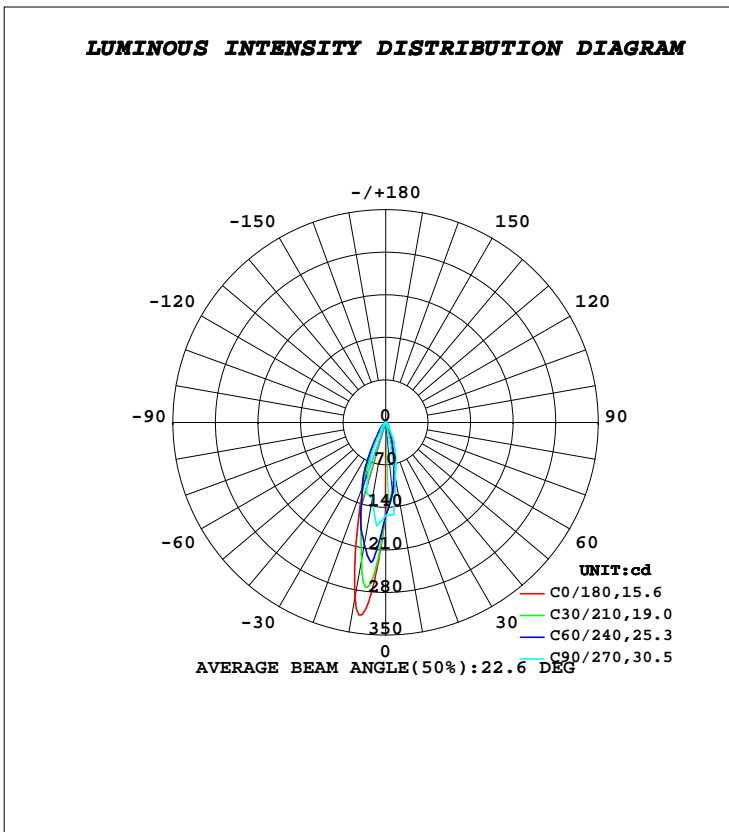


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|----------------------------------------------------------------------------------|-------|-------------------------|
| Test:U:24.000V I:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| MFR.: KAMS | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|------------------|--------------|------------------|--------|--------------------|----------|
| MODEL | KS-TMDM-3W-D | Imax(cd) | 319.6 | S/MH(C0/180) | 0.71 |
| NOMINAL POWER(W) | 3 | LOR(%) | 100.0 | S/MH(C90/270) | 0.67 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 73.014 | η UP, DN(C0-180) | 0.0,40.7 |
| NOMINAL FLUX(lm) | 73.0137 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,59.3 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 24 | η down(%) | 100.0 | CIBSE SHR MAX | 1.00 |



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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

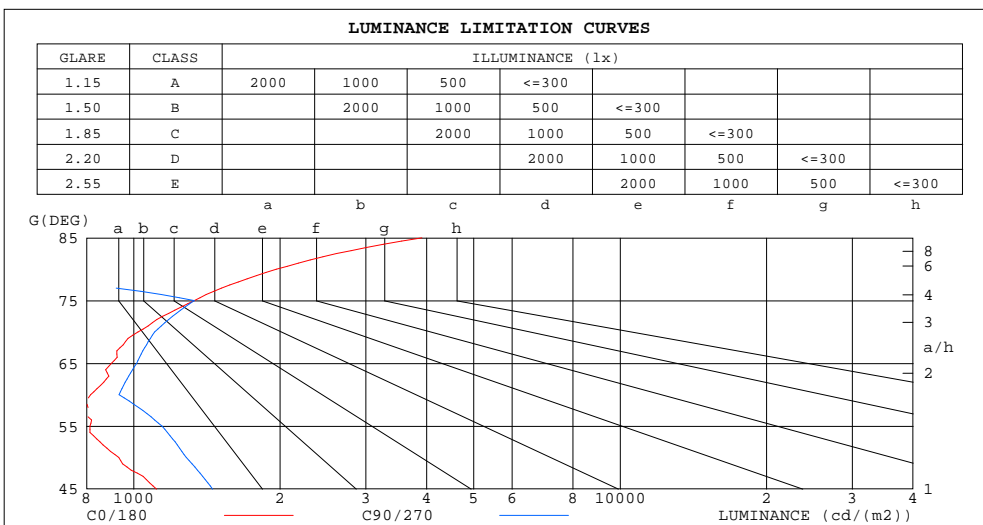
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 85.37 | 81.72 | 90.65 | 200.5 | 291.5 | 228.8 | 126.3 | 106.6 | 0- 10 | 16.11 | 16.11 | 22.1,22.1 |
| 20 | 18.87 | 26.60 | 42.57 | 65.37 | 105.6 | 109.5 | 81.23 | 50.97 | 10- 20 | 27.51 | 43.62 | 59.7,59.7 |
| 30 | 5.299 | 6.168 | 8.719 | 20.11 | 34.44 | 46.21 | 17.61 | 9.203 | 20- 30 | 16.84 | 60.46 | 82.8,82.8 |
| 40 | 2.091 | 2.286 | 4.244 | 4.757 | 10.61 | 12.22 | 8.254 | 2.922 | 30- 40 | 6.395 | 66.86 | 91.6,91.6 |
| 50 | 1.198 | 1.337 | 1.648 | 2.274 | 3.365 | 4.912 | 2.767 | 1.545 | 40- 50 | 2.847 | 69.70 | 95.5,95.5 |
| 60 | 0.8150 | 0.8965 | 0.9324 | 1.152 | 1.521 | 1.826 | 1.152 | 0.9771 | 50- 60 | 1.433 | 71.14 | 97.4,97.4 |
| 70 | 0.6975 | 0.7168 | 0.7550 | 0.8009 | 0.9487 | 0.9606 | 0.9116 | 0.7512 | 60- 70 | 0.9316 | 72.07 | 98.7,98.7 |
| 80 | 0.6818 | 0.5332 | 0 | 0.5520 | 0.7838 | 0.6021 | 0 | 0.5708 | 70- 80 | 0.7382 | 72.81 | 99.7,99.7 |
| 90 | 0.6896 | 0 | 0 | 0 | 0.6546 | 0 | 0 | 0 | 80- 90 | 0.2085 | 73.01 | 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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| MFR.: KAMS | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 3911 | 0 |
| 80 | 1963 | 0 |
| 75 | 1332 | 1332 |
| 70 | 1020 | 1104 |
| 65 | 899 | 1014 |
| 60 | 815 | 932 |
| 55 | 813 | 1143 |
| 50 | 932 | 1282 |
| 45 | 1113 | 1452 |

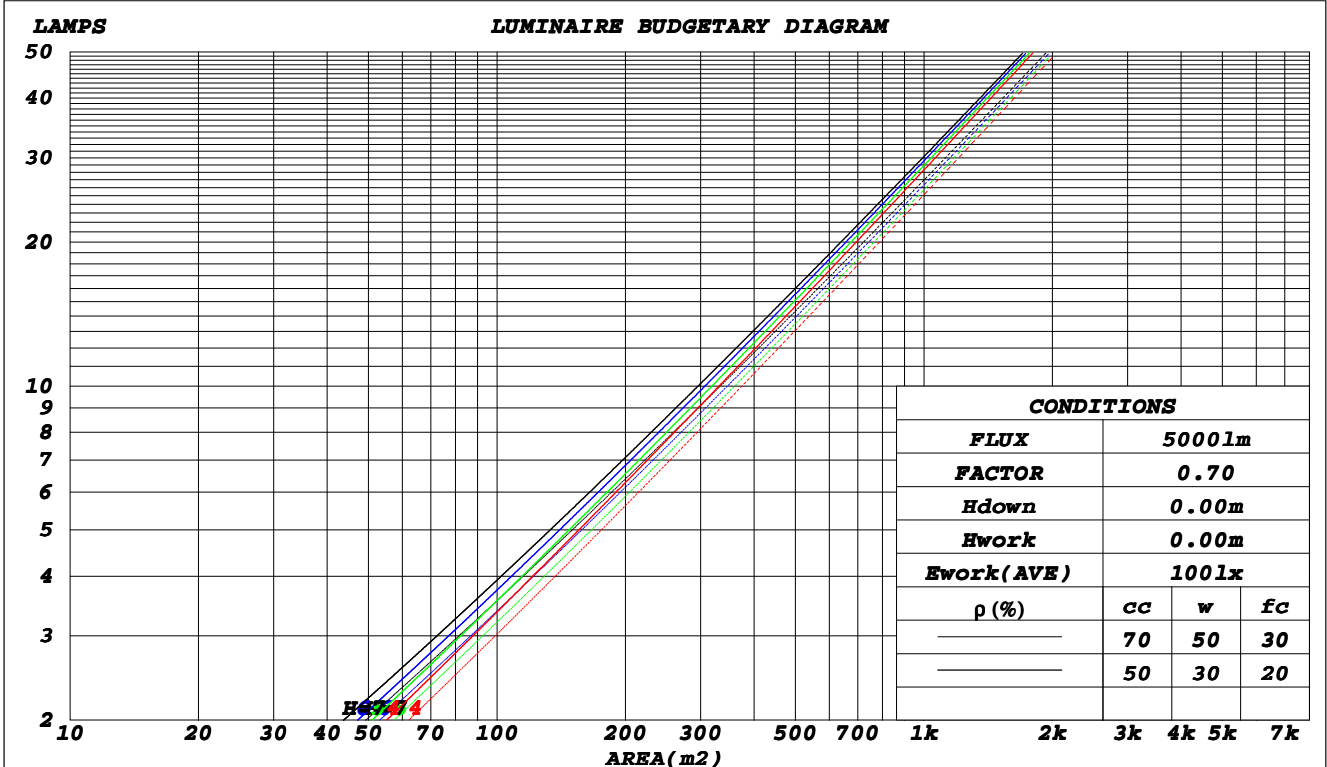
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-08-09

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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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 | .00 | |
| 1.0 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .94 | |
| 2.0 | 1.04 | 1.01 | .97 | 1.03 | .99 | .96 | .99 | .97 | .94 | .96 | .94 | .92 | .94 | .92 | .90 | .89 | |
| 3.0 | .98 | .94 | .90 | .97 | .93 | .90 | .94 | .91 | .88 | .92 | .89 | .87 | .90 | .87 | .85 | .84 | |
| 4.0 | .93 | .88 | .84 | .92 | .87 | .84 | .90 | .86 | .83 | .88 | .85 | .82 | .86 | .83 | .81 | .80 | |
| 5.0 | .88 | .83 | .79 | .88 | .83 | .79 | .86 | .82 | .78 | .84 | .81 | .78 | .83 | .80 | .77 | .76 | |
| 6.0 | .84 | .79 | .75 | .83 | .79 | .75 | .82 | .78 | .74 | .81 | .77 | .74 | .79 | .76 | .74 | .72 | |
| 7.0 | .80 | .75 | .72 | .80 | .75 | .71 | .79 | .74 | .71 | .77 | .74 | .71 | .76 | .73 | .70 | .69 | |
| 8.0 | .77 | .72 | .68 | .76 | .72 | .68 | .75 | .71 | .68 | .74 | .70 | .68 | .74 | .70 | .67 | .66 | |
| 9.0 | .74 | .69 | .65 | .73 | .69 | .65 | .73 | .68 | .65 | .72 | .68 | .65 | .71 | .67 | .65 | .63 | |
| 10.0 | .71 | .66 | .63 | .71 | .66 | .63 | .70 | .65 | .62 | .69 | .65 | .62 | .68 | .65 | .62 | .61 | |



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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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 | .169 | .096 | .030 | .162 | .093 | .029 | .150 | .086 | .027 | .138 | .080 | .026 | .128 | .074 | .024 | |
| 2.0 | .158 | .087 | .027 | .153 | .084 | .026 | .142 | .079 | .025 | .133 | .074 | .023 | .124 | .070 | .022 | |
| 3.0 | .148 | .079 | .024 | .144 | .077 | .023 | .135 | .073 | .022 | .126 | .069 | .021 | .119 | .066 | .020 | |
| 4.0 | .139 | .072 | .021 | .135 | .071 | .021 | .128 | .068 | .020 | .121 | .065 | .020 | .114 | .062 | .019 | |
| 5.0 | .131 | .067 | .019 | .128 | .066 | .019 | .121 | .063 | .019 | .115 | .061 | .018 | .110 | .059 | .018 | |
| 6.0 | .124 | .062 | .018 | .121 | .061 | .018 | .116 | .059 | .017 | .110 | .057 | .017 | .105 | .055 | .016 | |
| 7.0 | .118 | .058 | .017 | .115 | .057 | .016 | .110 | .056 | .016 | .106 | .054 | .016 | .101 | .053 | .015 | |
| 8.0 | .112 | .055 | .015 | .110 | .054 | .015 | .106 | .053 | .015 | .101 | .051 | .015 | .097 | .050 | .015 | |
| 9.0 | .107 | .052 | .014 | .105 | .051 | .014 | .101 | .050 | .014 | .097 | .049 | .014 | .094 | .048 | .014 | |
| 10.0 | .103 | .049 | .014 | .101 | .049 | .014 | .097 | .048 | .013 | .094 | .047 | .013 | .091 | .046 | .013 | |

| 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 | .171 | .157 | .145 | .146 | .135 | .125 | .100 | .093 | .087 | .057 | .054 | .050 | .018 | .017 | .016 | |
| 2.0 | .154 | .133 | .114 | .132 | .114 | .099 | .091 | .079 | .069 | .052 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .141 | .113 | .092 | .121 | .098 | .079 | .083 | .068 | .056 | .048 | .040 | .033 | .015 | .013 | .011 | |
| 4.0 | .130 | .099 | .075 | .111 | .085 | .065 | .077 | .059 | .046 | .044 | .035 | .027 | .014 | .011 | .009 | |
| 5.0 | .120 | .087 | .062 | .103 | .075 | .054 | .071 | .052 | .038 | .041 | .031 | .023 | .013 | .010 | .007 | |
| 6.0 | .112 | .077 | .052 | .096 | .067 | .045 | .066 | .047 | .032 | .039 | .027 | .019 | .012 | .009 | .006 | |
| 7.0 | .105 | .069 | .044 | .090 | .060 | .039 | .062 | .042 | .027 | .036 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .099 | .063 | .038 | .085 | .054 | .033 | .059 | .038 | .024 | .034 | .023 | .014 | .011 | .007 | .005 | |
| 9.0 | .093 | .057 | .033 | .080 | .050 | .029 | .056 | .035 | .020 | .032 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .088 | .053 | .029 | .076 | .046 | .025 | .053 | .032 | .018 | .031 | .019 | .011 | .010 | .006 | .004 | |

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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | | | | | | | | | |
| NAME: KS-TMDM-3W-D | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.:KS-TMDM-3W-D | | |
| 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 | 13.6 | 14.4 | 13.8 | 14.6 | 14.8 | 15.0 | 15.8 | 15.2 | 16.0 | 16.1 |
| 3H | 15.5 | 16.3 | 15.7 | 16.4 | 16.6 | 16.4 | 17.2 | 16.6 | 17.4 | 17.5 |
| 4H | 16.8 | 17.5 | 17.1 | 17.7 | 17.9 | 17.3 | 18.1 | 17.6 | 18.3 | 18.5 |
| 6H | 18.4 | 19.1 | 18.7 | 19.3 | 19.6 | 17.5 | 18.2 | 17.8 | 18.4 | 18.7 |
| 8H | 19.4 | 20.0 | 19.7 | 20.3 | 20.5 | 17.5 | 18.1 | 17.8 | 18.4 | 18.7 |
| 12H | 20.5 | 21.2 | 20.9 | 21.4 | 21.7 | 17.4 | 18.1 | 17.7 | 18.3 | 18.6 |
| 4H 2H | 14.3 | 15.0 | 14.6 | 15.2 | 15.5 | 15.4 | 16.1 | 15.6 | 16.3 | 16.5 |
| 3H | 16.5 | 17.1 | 16.8 | 17.4 | 17.7 | 17.1 | 17.8 | 17.5 | 18.0 | 18.3 |
| 4H | 18.0 | 18.6 | 18.4 | 18.9 | 19.2 | 18.3 | 18.9 | 18.7 | 19.2 | 19.5 |
| 6H | 19.9 | 20.4 | 20.2 | 20.7 | 21.1 | 18.5 | 19.1 | 18.9 | 19.4 | 19.7 |
| 8H | 21.0 | 21.4 | 21.4 | 21.8 | 22.2 | 18.5 | 19.0 | 18.9 | 19.3 | 19.7 |
| 12H | 22.3 | 22.7 | 22.7 | 23.1 | 23.5 | 18.4 | 18.9 | 18.8 | 19.3 | 19.6 |
| 8H 4H | 18.7 | 19.1 | 19.0 | 19.5 | 19.9 | 18.9 | 19.4 | 19.3 | 19.7 | 20.1 |
| 6H | 20.8 | 21.2 | 21.2 | 21.6 | 22.0 | 19.2 | 19.6 | 19.6 | 20.0 | 20.4 |
| 8H | 22.1 | 22.4 | 22.5 | 22.9 | 23.3 | 19.1 | 19.5 | 19.6 | 19.9 | 20.3 |
| 12H | 23.6 | 23.9 | 24.1 | 24.4 | 24.8 | 19.1 | 19.4 | 19.5 | 19.8 | 20.3 |
| 12H 4H | 18.6 | 19.1 | 19.1 | 19.5 | 19.9 | 19.0 | 19.5 | 19.5 | 19.9 | 20.2 |
| 6H | 20.8 | 21.2 | 21.3 | 21.6 | 22.0 | 19.4 | 19.7 | 19.8 | 20.1 | 20.6 |
| 8H | 22.1 | 22.4 | 22.6 | 22.9 | 23.3 | 19.3 | 19.6 | 19.8 | 20.0 | 20.5 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.7 / - 0.4 | | | | |
| 1.5H | + 0.1 / - 0.2 | | | | | + 1.7 / - 0.5 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.6 | | | | |

CIE Pub.117, 73.01 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -9.1$)

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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| MFR.: KAMS | SUR.: | Shielding Angle: |

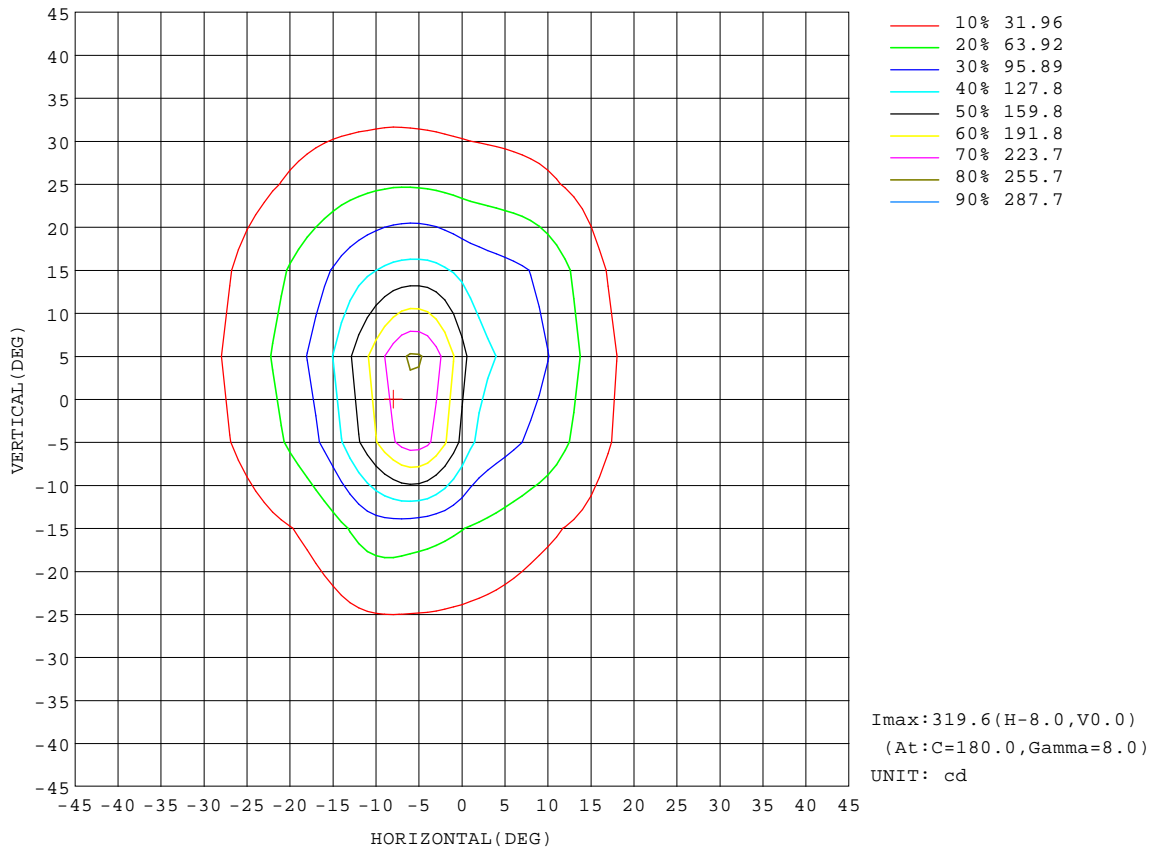
| REFLECTANCE | | | | | | | | | | |
|-----------------------------------------|-----------------------------------------------------------------------|-----|------------------|-----|-----|-----|-----|----------------------|-----|---------------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 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 | 86 | 80 | 76 | 86 | 80 | 76 | 85 | 79 | 76 | 72 |
| 0.80 | 94 | 88 | 84 | 93 | 87 | 84 | 92 | 87 | 83 | 80 |
| 1.00 | 98 | 92 | 89 | 97 | 92 | 88 | 96 | 92 | 88 | 84 |
| 1.25 | 102 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 99 | 96 | 102 | 98 | 95 | 90 |
| 2.00 | 108 | 103 | 100 | 106 | 102 | 99 | 104 | 100 | 98 | 93 |
| 2.50 | 110 | 106 | 102 | 108 | 104 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 104 | 102 | 95 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 112 | 110 | 113 | 110 | 109 | 109 | 107 | 106 | 98 |
| 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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| MFR.: KAMS | SUR.: | Shielding Angle: |

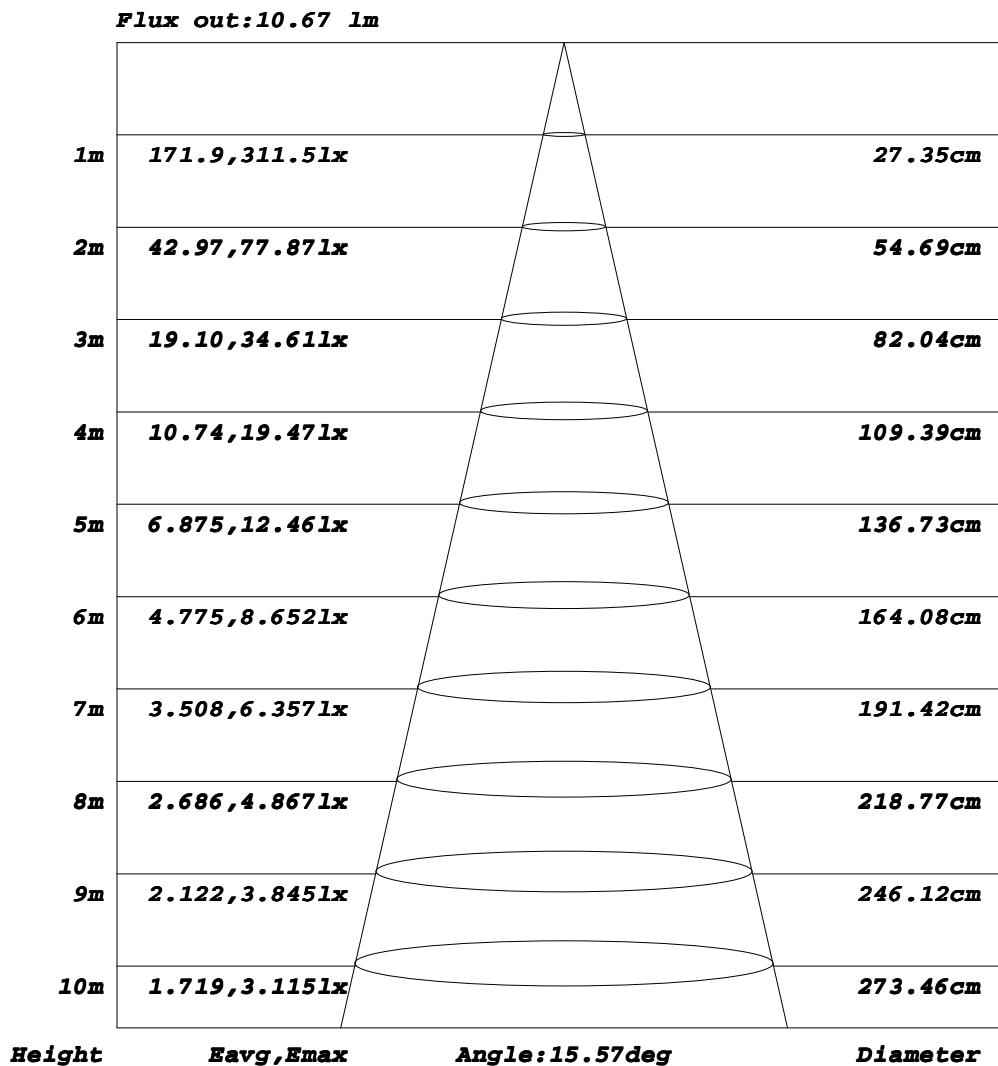


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-08-09

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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| MFR.: KAMS | SUR.: | Shielding Angle: |



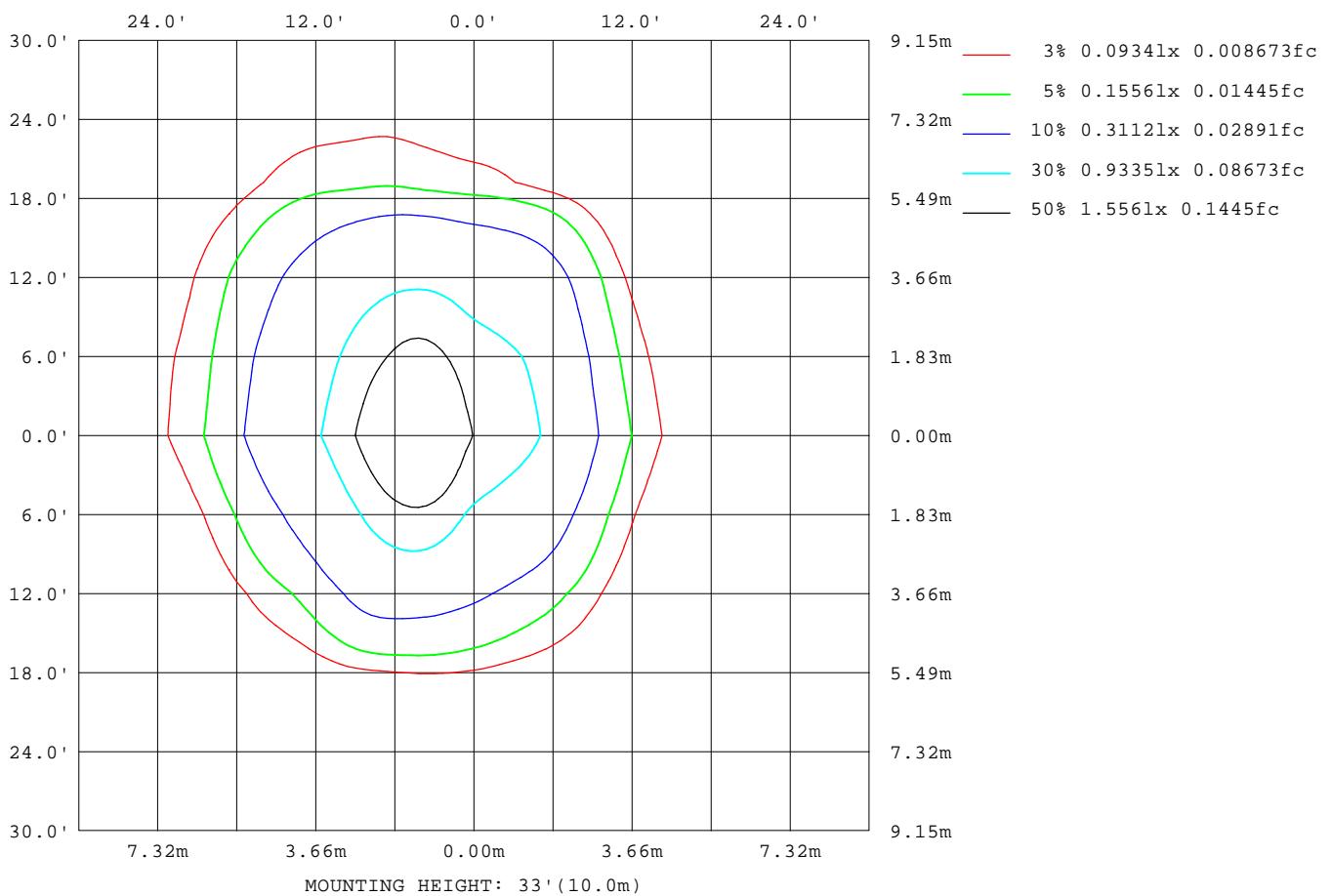
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| MFR.: KAMS | SUR.: | Shielding Angle: |

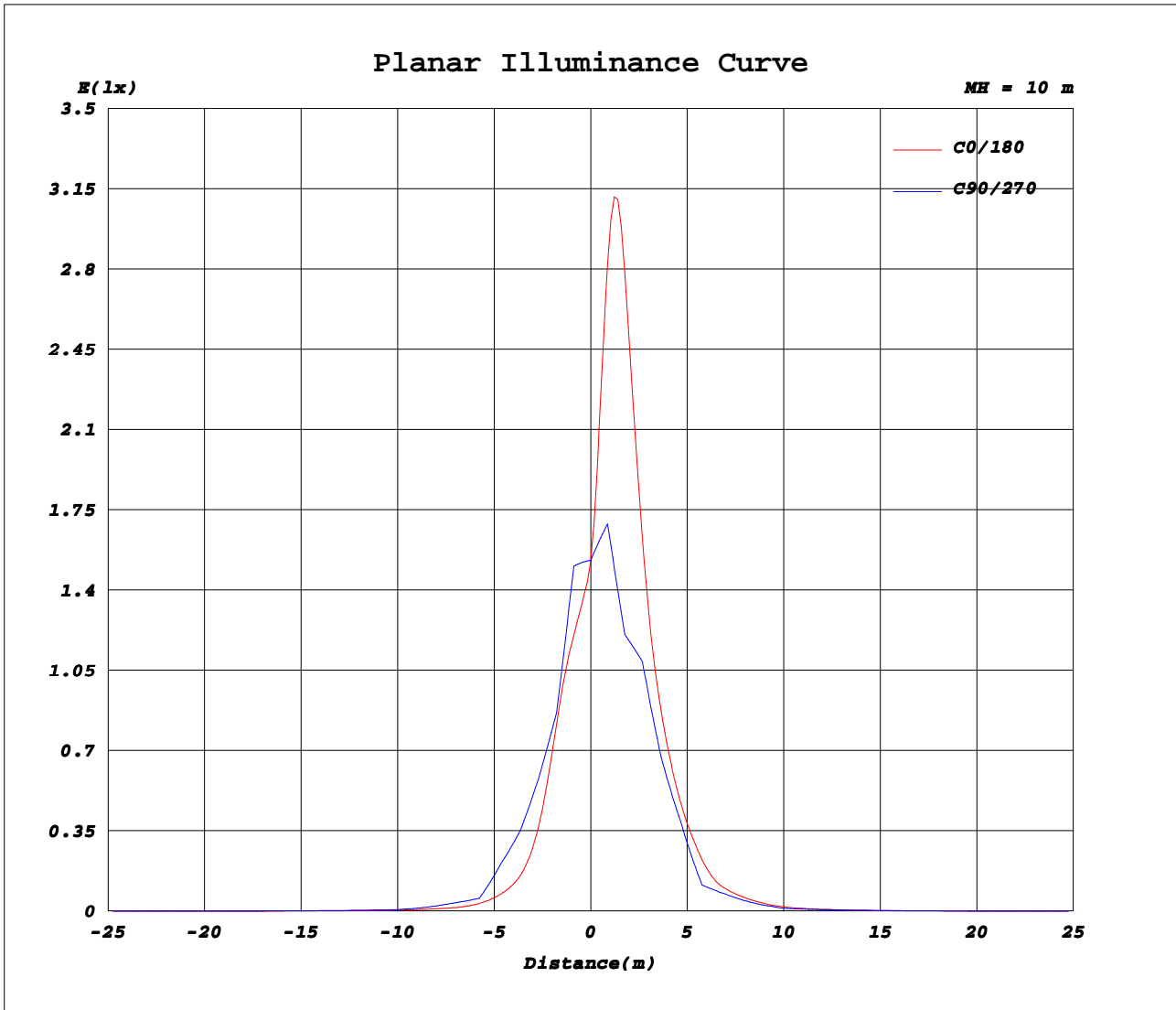
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 1118 |
| L_0~180(75)av | 1491 |
| L_0~180(85)av | 4114 |
| L_90~270(65)av | 1123 |
| L_90~270(75)av | 1431 |
| L_90~270(85)av | 0 |
| L_45(65)av | 1130 |
| L_45(75)av | 1445 |
| L_45(85)av | 0 |

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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 |
| 5 | 122 | 120 | 119 | 118 | 118 | 117 | 117 | 117 | 117 | 117 | 118 | 119 | 121 | 123 | 126 | 131 | 136 | 144 | 152 |
| 10 | 85.4 | 84.9 | 85.1 | 85.7 | 86.5 | 87.4 | 88.0 | 85.5 | 83.4 | 81.7 | 80.5 | 79.8 | 79.5 | 79.9 | 80.7 | 82.2 | 84.2 | 86.8 | 90.7 |
| 15 | 42.0 | 43.5 | 45.8 | 48.9 | 51.4 | 49.1 | 47.1 | 45.3 | 43.7 | 45.0 | 46.9 | 48.5 | 50.0 | 51.7 | 53.9 | 56.3 | 58.9 | 61.6 | 64.9 |
| 20 | 18.9 | 19.9 | 21.6 | 22.8 | 21.1 | 19.4 | 18.4 | 21.0 | 23.8 | 26.6 | 28.2 | 29.0 | 29.9 | 31.0 | 32.3 | 34.2 | 36.6 | 39.5 | 42.6 |
| 25 | 10.1 | 10.5 | 11.2 | 10.3 | 9.09 | 8.90 | 9.85 | 11.4 | 11.9 | 12.4 | 12.8 | 14.6 | 16.8 | 18.7 | 20.2 | 21.8 | 23.8 | 25.7 | 27.8 |
| 30 | 5.30 | 5.74 | 5.99 | 5.22 | 4.92 | 5.35 | 5.58 | 5.43 | 5.37 | 6.17 | 7.38 | 8.76 | 9.19 | 9.25 | 9.05 | 8.74 | 8.29 | 8.20 | 8.72 |
| 35 | 2.97 | 3.32 | 3.29 | 2.95 | 3.28 | 3.39 | 3.18 | 3.34 | 3.70 | 3.84 | 3.72 | 3.32 | 3.58 | 4.11 | 4.79 | 5.38 | 5.74 | 6.34 | 6.81 |
| 40 | 2.09 | 2.27 | 2.14 | 2.20 | 2.38 | 2.19 | 2.30 | 2.44 | 2.34 | 2.29 | 2.44 | 2.63 | 2.80 | 2.99 | 3.24 | 3.50 | 3.70 | 3.89 | 4.24 |
| 45 | 1.57 | 1.71 | 1.54 | 1.73 | 1.61 | 1.67 | 1.72 | 1.59 | 1.72 | 1.86 | 1.87 | 1.87 | 1.91 | 1.98 | 2.03 | 2.04 | 2.02 | 2.03 | 2.05 |
| 50 | 1.20 | 1.29 | 1.23 | 1.28 | 1.23 | 1.25 | 1.22 | 1.34 | 1.35 | 1.34 | 1.38 | 1.41 | 1.44 | 1.48 | 1.49 | 1.51 | 1.55 | 1.59 | 1.65 |
| 55 | 0.93 | 0.99 | 1.02 | 0.95 | 0.99 | 0.94 | 1.01 | 1.01 | 1.07 | 1.10 | 1.11 | 1.11 | 1.15 | 1.19 | 1.20 | 1.21 | 1.23 | 1.28 | 1.31 |
| 60 | 0.82 | 0.84 | 0.88 | 0.85 | 0.81 | 0.84 | 0.85 | 0.86 | 0.88 | 0.90 | 0.93 | 0.94 | 0.95 | 0.95 | 0.92 | 0.89 | 0.89 | 0.91 | 0.93 |
| 65 | 0.76 | 0.79 | 0.77 | 0.72 | 0.76 | 0.77 | 0.78 | 0.77 | 0.78 | 0.79 | 0.76 | 0.77 | 0.78 | 0.79 | 0.78 | 0.80 | 0.81 | 0.83 | 0.86 |
| 70 | 0.70 | 0.75 | 0.71 | 0.71 | 0.72 | 0.73 | 0.72 | 0.71 | 0.71 | 0.72 | 0.71 | 0.73 | 0.72 | 0.73 | 0.72 | 0.71 | 0.74 | 0.75 | 0.76 |
| 75 | 0.69 | 0.72 | 0.67 | 0.70 | 0.70 | 0.70 | 0.69 | 0.68 | 0.69 | 0.69 | 0.68 | 0.68 | 0.68 | 0.67 | 0.65 | 0.66 | 0.67 | 0.67 | 0.69 |
| 80 | 0.68 | 0.68 | 0.67 | 0.68 | 0.67 | 0.67 | 0.67 | 0.68 | 0.67 | 0.53 | 0.39 | 0.29 | 0.20 | 0.13 | 0.08 | 0.04 | 0.02 | 0.00 | 0.00 |
| 85 | 0.68 | 0.66 | 0.67 | 0.67 | 0.57 | 0.22 | 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 | 0.69 | 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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 |
| 5 | 161 | 171 | 180 | 189 | 197 | 206 | 214 | 221 | 229 | 236 | 243 | 250 | 256 | 263 | 269 | 275 | 281 | 285 | 282 |
| 10 | 97.4 | 108 | 122 | 137 | 153 | 168 | 181 | 192 | 201 | 205 | 209 | 211 | 221 | 232 | 245 | 259 | 274 | 291 | 277 |
| 15 | 68.6 | 73.3 | 79.6 | 87.9 | 98.4 | 110 | 121 | 130 | 137 | 141 | 138 | 134 | 130 | 126 | 135 | 149 | 164 | 181 | 168 |
| 20 | 46.1 | 50.2 | 54.5 | 59.0 | 63.8 | 67.8 | 68.8 | 65.9 | 65.4 | 69.9 | 74.2 | 78.4 | 75.9 | 73.4 | 72.5 | 81.2 | 92.8 | 106 | 97.1 |
| 25 | 30.0 | 32.3 | 34.9 | 38.2 | 41.6 | 44.4 | 45.4 | 43.1 | 37.1 | 32.9 | 30.6 | 36.9 | 42.3 | 44.6 | 43.3 | 44.2 | 53.4 | 63.5 | 56.7 |
| 30 | 9.64 | 11.0 | 12.8 | 15.2 | 17.4 | 18.2 | 18.0 | 19.1 | 20.1 | 21.1 | 19.9 | 17.6 | 18.9 | 23.3 | 23.7 | 21.9 | 26.8 | 34.4 | 28.8 |
| 35 | 7.00 | 6.75 | 6.37 | 6.29 | 6.37 | 6.42 | 6.68 | 8.38 | 9.31 | 9.95 | 10.8 | 10.4 | 8.95 | 10.1 | 12.4 | 12.4 | 13.9 | 17.7 | 15.6 |
| 40 | 4.54 | 4.59 | 4.40 | 4.40 | 4.45 | 4.45 | 4.46 | 4.60 | 4.76 | 5.11 | 5.16 | 5.75 | 6.30 | 6.01 | 7.21 | 7.87 | 7.87 | 10.6 | 8.87 |
| 45 | 2.12 | 2.26 | 2.38 | 2.59 | 2.84 | 3.05 | 3.19 | 3.24 | 3.16 | 3.27 | 3.38 | 3.46 | 3.88 | 4.23 | 3.96 | 4.80 | 4.07 | 5.50 | 4.46 |
| 50 | 1.70 | 1.72 | 1.72 | 1.73 | 1.78 | 1.79 | 1.88 | 2.12 | 2.27 | 2.20 | 2.17 | 2.33 | 2.39 | 2.65 | 2.58 | 2.77 | 2.74 | 3.36 | 2.97 |
| 55 | 1.32 | 1.35 | 1.35 | 1.39 | 1.44 | 1.47 | 1.47 | 1.41 | 1.35 | 1.51 | 1.63 | 1.61 | 1.77 | 1.67 | 1.88 | 1.76 | 1.89 | 2.28 | 2.01 |
| 60 | 0.95 | 0.98 | 1.00 | 1.05 | 1.09 | 1.10 | 1.11 | 1.14 | 1.15 | 1.13 | 1.08 | 1.24 | 1.21 | 1.30 | 1.24 | 1.26 | 1.37 | 1.52 | 1.42 |
| 65 | 0.86 | 0.87 | 0.88 | 0.88 | 0.89 | 0.87 | 0.87 | 0.91 | 0.93 | 0.94 | 0.96 | 0.93 | 0.95 | 0.96 | 1.00 | 1.03 | 1.05 | 1.13 | 1.08 |
| 70 | 0.78 | 0.79 | 0.79 | 0.79 | 0.80 | 0.79 | 0.80 | 0.81 | 0.80 | 0.80 | 0.83 | 0.83 | 0.82 | 0.81 | 0.82 | 0.83 | 0.83 | 0.95 | 0.86 |
| 75 | 0.70 | 0.70 | 0.70 | 0.68 | 0.72 | 0.72 | 0.73 | 0.74 | 0.73 | 0.75 | 0.76 | 0.77 | 0.77 | 0.75 | 0.75 | 0.77 | 0.77 | 0.85 | 0.80 |
| 80 | 0.01 | 0.02 | 0.05 | 0.08 | 0.14 | 0.21 | 0.30 | 0.41 | 0.55 | 0.69 | 0.70 | 0.71 | 0.70 | 0.71 | 0.72 | 0.69 | 0.72 | 0.78 | 0.75 |
| 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 | 0.23 | 0.57 | 0.67 | 0.68 | 0.67 | 0.75 | 0.70 |
| 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 | 0.65 | 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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 |
| 5 | 279 | 274 | 270 | 265 | 260 | 255 | 249 | 243 | 237 | 230 | 223 | 216 | 207 | 199 | 190 | 180 | 171 | 162 | 154 |
| 10 | 264 | 253 | 243 | 235 | 229 | 230 | 229 | 223 | 215 | 204 | 189 | 174 | 158 | 145 | 133 | 126 | 122 | 119 | |
| 15 | 157 | 147 | 142 | 149 | 158 | 166 | 173 | 174 | 171 | 166 | 160 | 153 | 146 | 140 | 133 | 127 | 121 | 115 | 111 |
| 20 | 89.9 | 86.2 | 93.1 | 101 | 109 | 110 | 110 | 110 | 111 | 113 | 113 | 111 | 107 | 102 | 93.9 | 86.4 | 81.2 | 78.3 | 76.3 |
| 25 | 51.0 | 55.3 | 62.5 | 65.6 | 64.9 | 64.8 | 70.0 | 75.0 | 79.8 | 79.7 | 77.3 | 74.3 | 70.8 | 66.7 | 62.1 | 57.2 | 52.5 | 49.7 | 48.5 |
| 30 | 26.4 | 32.5 | 35.9 | 34.5 | 37.2 | 42.6 | 47.0 | 46.2 | 44.7 | 42.8 | 41.4 | 38.4 | 34.4 | 28.9 | 23.3 | 19.4 | 17.6 | 17.2 | 17.1 |
| 35 | 16.0 | 18.2 | 17.6 | 17.9 | 21.7 | 23.3 | 22.0 | 22.8 | 24.0 | 23.0 | 21.8 | 20.4 | 19.3 | 18.3 | 16.7 | 14.8 | 13.5 | 12.8 | 11.8 |
| 40 | 10.8 | 11.7 | 11.8 | 13.0 | 12.1 | 11.5 | 11.9 | 12.2 | 13.2 | 13.7 | 14.3 | 13.9 | 12.7 | 11.7 | 10.3 | 9.07 | 8.25 | 7.65 | 6.94 |
| 45 | 6.18 | 5.69 | 7.23 | 7.20 | 7.08 | 8.04 | 7.87 | 7.48 | 7.41 | 8.47 | 8.44 | 7.40 | 6.07 | 5.05 | 4.37 | 4.05 | 3.76 | 3.51 | 3.37 |
| 50 | 3.34 | 3.41 | 3.78 | 3.72 | 4.35 | 4.19 | 4.63 | 4.91 | 4.23 | 3.64 | 3.31 | 3.31 | 3.17 | 3.05 | 3.10 | 3.02 | 2.77 | 2.52 | 2.32 |
| 55 | 1.99 | 2.35 | 2.20 | 2.58 | 2.40 | 2.76 | 2.74 | 2.33 | 2.39 | 2.52 | 2.54 | 2.47 | 2.33 | 2.21 | 2.16 | 2.14 | 2.03 | 1.88 | 1.75 |
| 60 | 1.37 | 1.41 | 1.63 | 1.53 | 1.70 | 1.51 | 1.71 | 1.83 | 1.77 | 1.70 | 1.68 | 1.61 | 1.49 | 1.37 | 1.29 | 1.20 | 1.15 | 1.11 | 1.11 |
| 65 | 1.12 | 1.14 | 1.09 | 1.13 | 1.10 | 1.24 | 1.23 | 1.24 | 1.20 | 1.15 | 1.16 | 1.15 | 1.13 | 1.11 | 1.10 | 1.08 | 1.04 | 1.01 | 0.98 |
| 70 | 0.90 | 0.90 | 0.86 | 0.93 | 0.94 | 0.96 | 0.96 | 0.96 | 0.98 | 0.99 | 1.00 | 0.99 | 0.98 | 0.96 | 0.95 | 0.93 | 0.91 | 0.89 | 0.88 |
| 75 | 0.83 | 0.79 | 0.81 | 0.83 | 0.85 | 0.84 | 0.84 | 0.84 | 0.87 | 0.87 | 0.86 | 0.84 | 0.83 | 0.81 | 0.81 | 0.79 | 0.79 | 0.78 | 0.78 |
| 80 | 0.74 | 0.76 | 0.77 | 0.76 | 0.76 | 0.74 | 0.73 | 0.60 | 0.46 | 0.34 | 0.25 | 0.16 | 0.10 | 0.05 | 0.02 | 0.01 | 0.00 | 0.01 | 0.02 |
| 85 | 0.73 | 0.71 | 0.61 | 0.24 | 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:0.0980A P:3.0000W PF:1.0000 Freq:50.00Hz Lamp Flux:73.0137x1 lm | | |
| NAME: KS-TMDM-3W-D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:KS-TMDM-3W-D |
| 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 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | | | | |
| 5 | 148 | 143 | 139 | 136 | 133 | 131 | 130 | 128 | 127 | 126 | 125 | 124 | 123 | 122 | 122 | | | | |
| 10 | 117 | 115 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 105 | 102 | 97.9 | 94.1 | 90.7 | 87.7 | | | | |
| 15 | 108 | 105 | 101 | 96.0 | 89.1 | 80.6 | 71.1 | 62.9 | 60.7 | 59.5 | 59.3 | 60.0 | 55.1 | 49.7 | 45.4 | | | | |
| 20 | 74.9 | 73.1 | 70.7 | 67.5 | 63.8 | 59.6 | 51.0 | 39.2 | 30.1 | 23.5 | 23.1 | 24.1 | 25.2 | 23.1 | 20.6 | | | | |
| 25 | 47.4 | 45.2 | 40.6 | 34.0 | 26.3 | 21.2 | 19.7 | 18.2 | 17.0 | 13.7 | 11.6 | 11.0 | 11.7 | 12.2 | 11.0 | | | | |
| 30 | 18.0 | 18.9 | 19.0 | 17.6 | 15.2 | 11.6 | 9.20 | 7.94 | 8.01 | 8.23 | 7.40 | 6.01 | 5.85 | 6.48 | 5.99 | | | | |
| 35 | 10.5 | 9.07 | 7.53 | 6.04 | 5.08 | 5.40 | 5.51 | 5.22 | 4.40 | 4.00 | 4.21 | 3.91 | 3.27 | 3.50 | 3.43 | | | | |
| 40 | 6.34 | 5.71 | 5.05 | 4.42 | 3.82 | 3.29 | 2.92 | 2.97 | 3.02 | 2.72 | 2.49 | 2.70 | 2.43 | 2.27 | 2.34 | | | | |
| 45 | 3.25 | 3.05 | 2.81 | 2.57 | 2.46 | 2.40 | 2.33 | 2.07 | 1.85 | 1.95 | 1.88 | 1.79 | 1.89 | 1.61 | 1.75 | | | | |
| 50 | 2.14 | 1.99 | 1.89 | 1.81 | 1.79 | 1.67 | 1.55 | 1.54 | 1.51 | 1.40 | 1.43 | 1.34 | 1.35 | 1.28 | 1.31 | | | | |
| 55 | 1.64 | 1.52 | 1.45 | 1.39 | 1.31 | 1.28 | 1.23 | 1.16 | 1.14 | 1.16 | 1.03 | 1.07 | 0.99 | 1.05 | 0.99 | | | | |
| 60 | 1.10 | 1.08 | 1.09 | 1.08 | 1.06 | 1.02 | 0.98 | 0.96 | 0.95 | 0.88 | 0.89 | 0.83 | 0.86 | 0.87 | 0.84 | | | | |
| 65 | 0.95 | 0.90 | 0.88 | 0.83 | 0.82 | 0.85 | 0.86 | 0.83 | 0.80 | 0.80 | 0.80 | 0.79 | 0.74 | 0.77 | 0.77 | | | | |
| 70 | 0.85 | 0.84 | 0.81 | 0.78 | 0.78 | 0.79 | 0.75 | 0.73 | 0.73 | 0.75 | 0.75 | 0.75 | 0.72 | 0.71 | 0.74 | | | | |
| 75 | 0.78 | 0.78 | 0.77 | 0.74 | 0.75 | 0.74 | 0.73 | 0.72 | 0.71 | 0.71 | 0.72 | 0.71 | 0.71 | 0.69 | 0.70 | | | | |
| 80 | 0.05 | 0.10 | 0.15 | 0.22 | 0.31 | 0.43 | 0.57 | 0.71 | 0.70 | 0.70 | 0.70 | 0.69 | 0.70 | 0.70 | 0.69 | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.59 | 0.69 | 0.69 | 0.68 | | | | |
| 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: