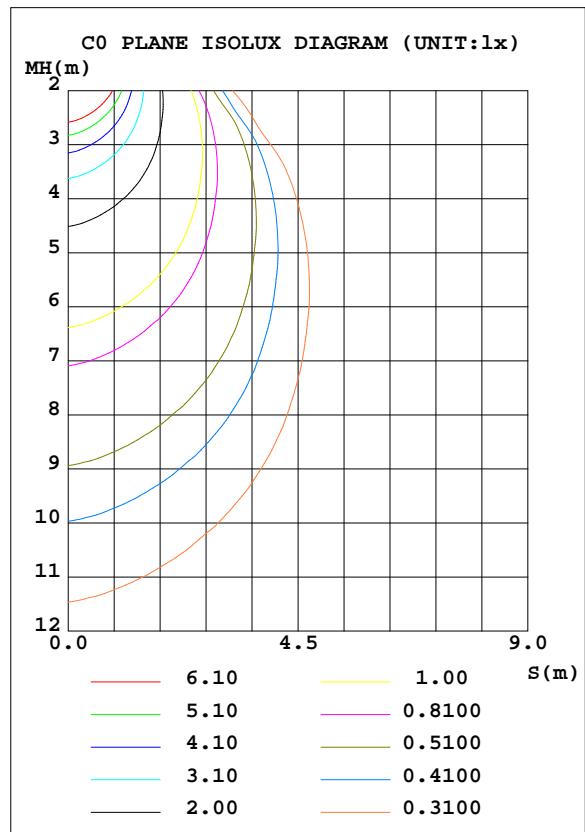
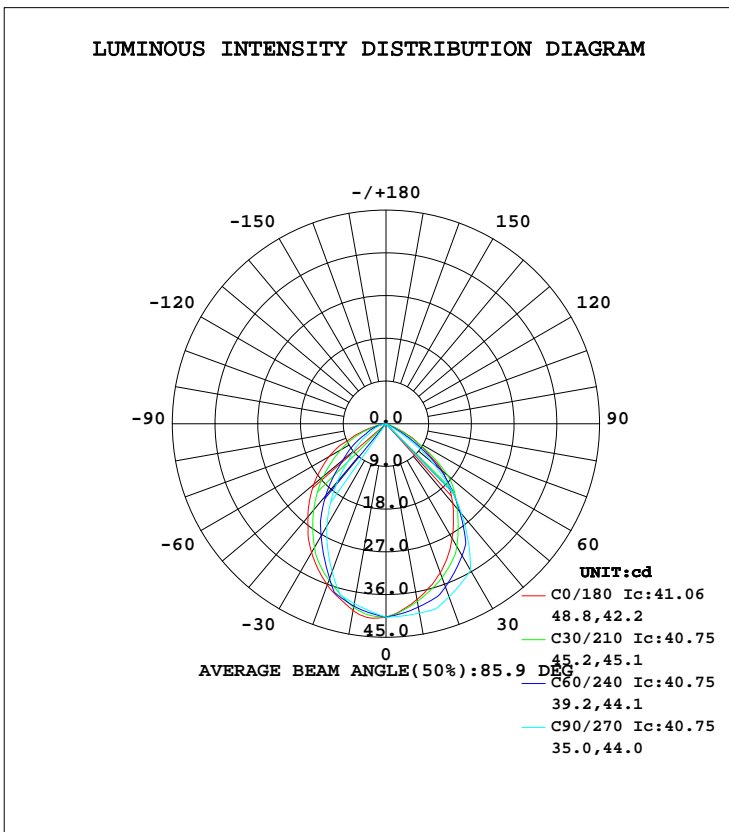


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 70.46 lm/W | | | |
|------------------|--------------|----------------------------------|--------|--------------------|---------|
| MODEL | 489939-3000K | I _{max} (cd) | 41.06 | S/MH(C0/180) | 1.15 |
| NOMINAL POWER(W) | 5 | LOR(%) | 15.0 | S/MH(C90/270) | 0.98 |
| RATED VOLTAGE(V) | 12 | TOTAL FLUX(lm) | 75.010 | η UP, DN(C0-180) | 0.0,7.8 |
| NOMINAL FLUX(lm) | 500 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,7.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 220 | η down(%) | 15.0 | CIBSE SHR MAX | 1.25 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:G
 Test Date:2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [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 |
|-----|-----------------------|--------|--------|--------|--------|--------|-------|--------|---------|--------|---------|-----------|
| 5 | 39.35 | 39.81 | 40.63 | 40.96 | 41.03 | 40.22 | 39.60 | 39.11 | 0- 5 | 0.9640 | 0.9640 | 1.29,0.19 |
| 10 | 37.58 | 38.53 | 40.52 | 40.58 | 39.93 | 39.12 | 38.46 | 37.14 | 5- 10 | 2.824 | 3.788 | 5.05,0.76 |
| 15 | 35.58 | 37.17 | 40.40 | 39.52 | 38.08 | 37.38 | 37.31 | 35.03 | 10- 15 | 4.531 | 8.319 | 11.1,1.66 |
| 20 | 33.42 | 35.73 | 38.82 | 38.12 | 36.13 | 35.42 | 33.18 | 32.84 | 15- 20 | 6.001 | 14.32 | 19.1,2.86 |
| 25 | 30.83 | 33.33 | 37.24 | 36.00 | 33.85 | 32.12 | 29.05 | 29.45 | 20- 25 | 7.117 | 21.44 | 28.6,4.29 |
| 30 | 27.84 | 30.58 | 35.65 | 33.51 | 31.34 | 28.88 | 24.92 | 26.02 | 25- 30 | 7.895 | 29.33 | 39.1,5.87 |
| 35 | 24.77 | 27.74 | 30.20 | 30.92 | 28.63 | 25.88 | 20.42 | 22.71 | 30- 35 | 8.287 | 37.62 | 50.2,7.52 |
| 40 | 21.87 | 24.65 | 24.74 | 27.91 | 25.58 | 22.85 | 15.92 | 19.37 | 35- 40 | 8.182 | 45.80 | 61.1,9.16 |
| 45 | 18.77 | 20.00 | 19.29 | 23.82 | 22.76 | 18.76 | 11.42 | 15.66 | 40- 45 | 7.668 | 53.47 | 71.3,10.7 |
| 50 | 15.49 | 15.50 | 13.00 | 20.04 | 19.88 | 14.98 | 8.906 | 12.42 | 45- 50 | 6.809 | 60.28 | 80.4,12.1 |
| 55 | 10.69 | 11.10 | 6.719 | 16.05 | 16.77 | 11.57 | 6.393 | 9.532 | 50- 55 | 5.603 | 65.88 | 87.8,13.2 |
| 60 | 7.205 | 6.394 | 0.4330 | 9.290 | 13.86 | 8.941 | 3.880 | 6.684 | 55- 60 | 4.064 | 69.95 | 93.2,14 |
| 65 | 3.513 | 2.259 | 0.2887 | 3.748 | 10.38 | 6.279 | 2.953 | 3.829 | 60- 65 | 2.537 | 72.48 | 96.6,14.5 |
| 70 | 0.5129 | 0.1363 | 0.1443 | 0.7779 | 6.469 | 4.039 | 2.026 | 1.851 | 65- 70 | 1.434 | 73.92 | 98.5,14.8 |
| 75 | 0.1547 | 0.0603 | 0 | 0.3682 | 3.445 | 2.288 | 1.100 | 0.9033 | 70- 75 | 0.7572 | 74.67 | 99.6,14.9 |
| 80 | 0.0803 | 0 | 0 | 0.0480 | 0.5953 | 0.6307 | 0 | 0.1104 | 75- 80 | 0.2962 | 74.97 | 99.9,15 |
| 85 | 0 | 0 | 0 | 0 | 0.1212 | 0 | 0 | 0 | 80- 85 | 0.0376 | 75.01 | 100,15 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85- 90 | 0.0030 | 75.01 | 100,15 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | | |

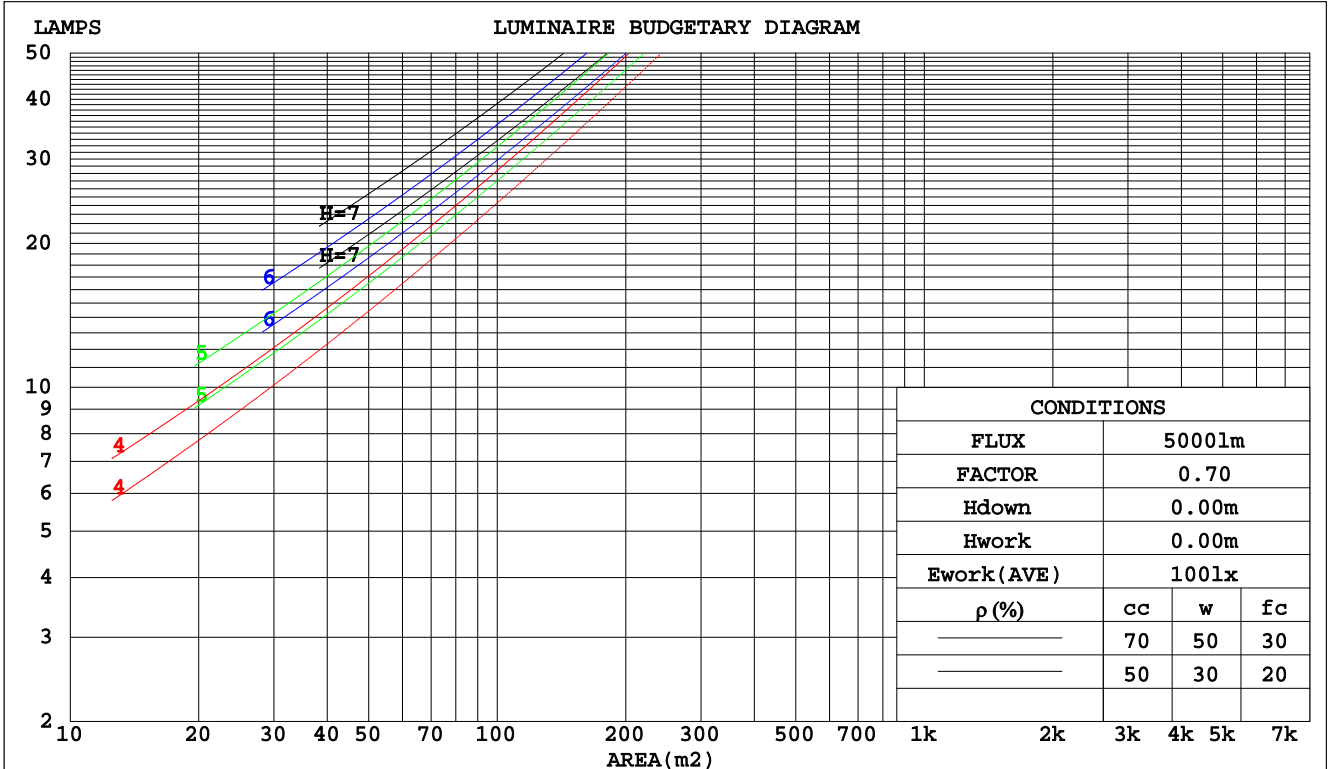
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:G
Test Date:2022-05-31

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | .18 | .18 | .18 | .17 | .17 | .17 | .17 | .17 | .17 | .16 | .16 | .16 | .15 | .15 | .15 | .15 |
| 1.0 | .16 | .16 | .15 | .16 | .15 | .15 | .15 | .15 | .15 | .15 | .14 | .14 | .14 | .14 | .14 | .13 |
| 2.0 | .15 | .14 | .13 | .14 | .13 | .13 | .14 | .13 | .13 | .13 | .13 | .12 | .13 | .12 | .12 | .12 |
| 3.0 | .13 | .12 | .11 | .13 | .12 | .11 | .12 | .12 | .11 | .12 | .11 | .11 | .12 | .11 | .11 | .10 |
| 4.0 | .12 | .11 | .10 | .12 | .11 | .10 | .11 | .10 | .10 | .11 | .10 | .10 | .11 | .10 | .09 | .09 |
| 5.0 | .11 | .10 | .09 | .11 | .09 | .09 | .10 | .09 | .09 | .10 | .09 | .08 | .10 | .09 | .08 | .08 |
| 6.0 | .10 | .09 | .08 | .10 | .08 | .08 | .09 | .08 | .08 | .09 | .08 | .08 | .09 | .08 | .07 | .07 |
| 7.0 | .09 | .08 | .07 | .09 | .08 | .07 | .09 | .08 | .07 | .08 | .07 | .07 | .08 | .07 | .07 | .06 |
| 8.0 | .08 | .07 | .06 | .08 | .07 | .06 | .08 | .07 | .06 | .08 | .07 | .06 | .08 | .07 | .06 | .06 |
| 9.0 | .08 | .06 | .06 | .07 | .06 | .06 | .07 | .06 | .06 | .07 | .06 | .06 | .07 | .06 | .06 | .05 |
| 10.0 | .07 | .06 | .05 | .07 | .06 | .05 | .07 | .06 | .05 | .07 | .06 | .05 | .07 | .06 | .05 | .05 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:G
 Test Date:2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .035 | .020 | .006 | .034 | .020 | .006 | .032 | .019 | .006 | .031 | .018 | .006 | .029 | .017 | .005 | |
| 2.0 | .035 | .019 | .006 | .034 | .019 | .006 | .032 | .018 | .006 | .031 | .017 | .005 | .029 | .016 | .005 | |
| 3.0 | .033 | .018 | .005 | .032 | .017 | .005 | .031 | .017 | .005 | .030 | .016 | .005 | .028 | .016 | .005 | |
| 4.0 | .031 | .016 | .005 | .031 | .016 | .005 | .029 | .016 | .005 | .028 | .015 | .005 | .027 | .015 | .004 | |
| 5.0 | .030 | .015 | .004 | .029 | .015 | .004 | .028 | .015 | .004 | .027 | .014 | .004 | .026 | .014 | .004 | |
| 6.0 | .028 | .014 | .004 | .027 | .014 | .004 | .026 | .014 | .004 | .025 | .013 | .004 | .025 | .013 | .004 | |
| 7.0 | .026 | .013 | .004 | .026 | .013 | .004 | .025 | .013 | .004 | .024 | .012 | .004 | .023 | .012 | .004 | |
| 8.0 | .025 | .012 | .003 | .025 | .012 | .003 | .024 | .012 | .003 | .023 | .012 | .003 | .022 | .011 | .003 | |
| 9.0 | .024 | .011 | .003 | .023 | .011 | .003 | .023 | .011 | .003 | .022 | .011 | .003 | .021 | .011 | .003 | |
| 10.0 | .022 | .011 | .003 | .022 | .011 | .003 | .021 | .010 | .003 | .021 | .010 | .003 | .020 | .010 | .003 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .029 | .029 | .029 | .024 | .024 | .024 | .017 | .017 | .017 | .010 | .010 | .010 | .003 | .003 | .003 | |
| 1.0 | .026 | .024 | .021 | .022 | .020 | .018 | .015 | .014 | .013 | .009 | .008 | .007 | .003 | .003 | .002 | |
| 2.0 | .025 | .020 | .016 | .021 | .017 | .014 | .014 | .012 | .010 | .008 | .007 | .006 | .003 | .002 | .002 | |
| 3.0 | .023 | .017 | .012 | .020 | .015 | .011 | .014 | .010 | .007 | .008 | .006 | .004 | .003 | .002 | .001 | |
| 4.0 | .022 | .015 | .010 | .019 | .013 | .008 | .013 | .009 | .006 | .008 | .005 | .003 | .002 | .002 | .001 | |
| 5.0 | .021 | .013 | .008 | .018 | .012 | .007 | .012 | .008 | .005 | .007 | .005 | .003 | .002 | .002 | .001 | |
| 6.0 | .020 | .012 | .006 | .017 | .010 | .006 | .012 | .007 | .004 | .007 | .004 | .002 | .002 | .001 | .001 | |
| 7.0 | .019 | .011 | .005 | .016 | .010 | .005 | .011 | .007 | .003 | .007 | .004 | .002 | .002 | .001 | .001 | |
| 8.0 | .018 | .010 | .005 | .016 | .009 | .004 | .011 | .006 | .003 | .006 | .004 | .002 | .002 | .001 | .001 | |
| 9.0 | .017 | .009 | .004 | .015 | .008 | .004 | .010 | .006 | .003 | .006 | .003 | .002 | .002 | .001 | .000 | |
| 10.0 | .017 | .009 | .004 | .014 | .008 | .003 | .010 | .005 | .002 | .006 | .003 | .001 | .002 | .001 | .000 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:G
 Test Date:2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|-----|-----|-----|-------------------|----------------|-----|-------------------|-----|-----|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | | | | | | | | | |
| NAME: 489939-3000K | | | | | TYPE:489939-3000K | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: | | | | | SUR.: | | | PROTECTION 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 | 4.2 | 5.5 | 4.5 | 5.7 | 5.9 | 2.9 | 4.2 | 3.1 | 4.4 | 4.6 |
| 3H | 4.1 | 5.3 | 4.4 | 5.5 | 5.7 | 2.7 | 3.9 | 3.0 | 4.1 | 4.3 |
| 4H | 4.0 | 5.1 | 4.3 | 5.4 | 5.6 | 2.6 | 3.7 | 2.9 | 3.9 | 4.2 |
| 6H | 3.9 | 5.0 | 4.2 | 5.2 | 5.5 | 2.5 | 3.5 | 2.8 | 3.8 | 4.1 |
| 8H | 3.9 | 4.9 | 4.2 | 5.2 | 5.4 | 2.4 | 3.4 | 2.8 | 3.7 | 4.0 |
| 12H | 3.8 | 4.8 | 4.2 | 5.1 | 5.4 | 2.4 | 3.3 | 2.7 | 3.6 | 3.9 |
| 4H 2H | 4.1 | 5.3 | 4.4 | 5.5 | 5.8 | 2.9 | 4.1 | 3.2 | 4.3 | 4.5 |
| 3H | 4.1 | 5.0 | 4.4 | 5.3 | 5.6 | 2.7 | 3.7 | 3.1 | 4.0 | 4.3 |
| 4H | 4.0 | 4.9 | 4.3 | 5.2 | 5.5 | 2.7 | 3.5 | 3.0 | 3.8 | 4.2 |
| 6H | 3.9 | 4.7 | 4.3 | 5.0 | 5.4 | 2.6 | 3.3 | 2.9 | 3.7 | 4.0 |
| 8H | 3.8 | 4.6 | 4.2 | 4.9 | 5.3 | 2.5 | 3.2 | 2.9 | 3.6 | 4.0 |
| 12H | 3.8 | 4.4 | 4.2 | 4.8 | 5.2 | 2.5 | 3.1 | 2.9 | 3.5 | 3.9 |
| 8H 4H | 3.8 | 4.5 | 4.2 | 4.9 | 5.3 | 2.5 | 3.2 | 2.9 | 3.6 | 4.0 |
| 6H | 3.7 | 4.3 | 4.2 | 4.7 | 5.2 | 2.4 | 3.0 | 2.9 | 3.4 | 3.8 |
| 8H | 3.7 | 4.2 | 4.2 | 4.6 | 5.1 | 2.4 | 2.9 | 2.8 | 3.3 | 3.8 |
| 12H | 3.7 | 4.1 | 4.1 | 4.5 | 5.0 | 2.3 | 2.8 | 2.8 | 3.2 | 3.7 |
| 12H 4H | 3.8 | 4.4 | 4.2 | 4.8 | 5.2 | 2.5 | 3.1 | 2.9 | 3.5 | 3.9 |
| 6H | 3.7 | 4.2 | 4.2 | 4.6 | 5.1 | 2.4 | 2.9 | 2.8 | 3.3 | 3.8 |
| 8H | 3.7 | 4.1 | 4.1 | 4.5 | 5.0 | 2.3 | 2.8 | 2.8 | 3.2 | 3.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.2 / - 1.5 | | | | | + 1.8 / - 3.7 | | | | |
| 1.5H | + 0.5 / - 1.0 | | | | | + 0.7 / - 1.2 | | | | |
| 2.0H | + 1.8 / - 4.3 | | | | | + 3.5 / -18.7 | | | | |

CIE Pub.117 Corrected 500.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:G
Test Date:2022-05-31

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

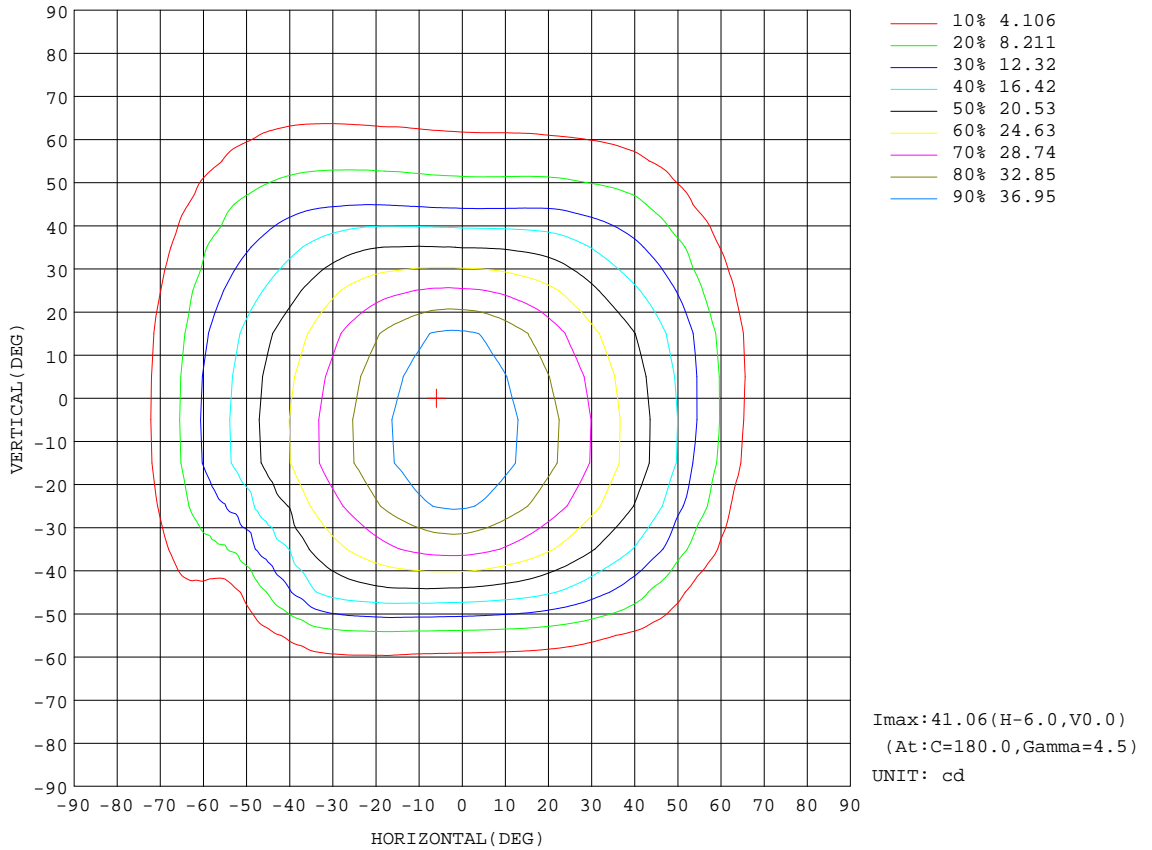
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 10 | 8 | 8 | 10 | 8 | 8 | 10 | 8 | 8 | 7 |
| 0.80 | 12 | 10 | 9 | 11 | 10 | 9 | 11 | 10 | 9 | 8 |
| 1.00 | 13 | 11 | 11 | 13 | 11 | 10 | 12 | 11 | 10 | 10 |
| 1.25 | 14 | 13 | 12 | 14 | 12 | 12 | 13 | 12 | 11 | 11 |
| 1.50 | 14 | 13 | 12 | 14 | 13 | 12 | 14 | 13 | 12 | 11 |
| 2.00 | 15 | 14 | 14 | 15 | 14 | 13 | 15 | 14 | 13 | 12 |
| 2.50 | 16 | 15 | 14 | 15 | 15 | 14 | 15 | 14 | 14 | 13 |
| 3.00 | 16 | 15 | 15 | 16 | 15 | 14 | 15 | 15 | 14 | 13 |
| 4.00 | 16 | 16 | 15 | 16 | 16 | 15 | 16 | 15 | 15 | 14 |
| 5.00 | 17 | 16 | 16 | 16 | 16 | 15 | 16 | 15 | 15 | 14 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:G
 Test Date:2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

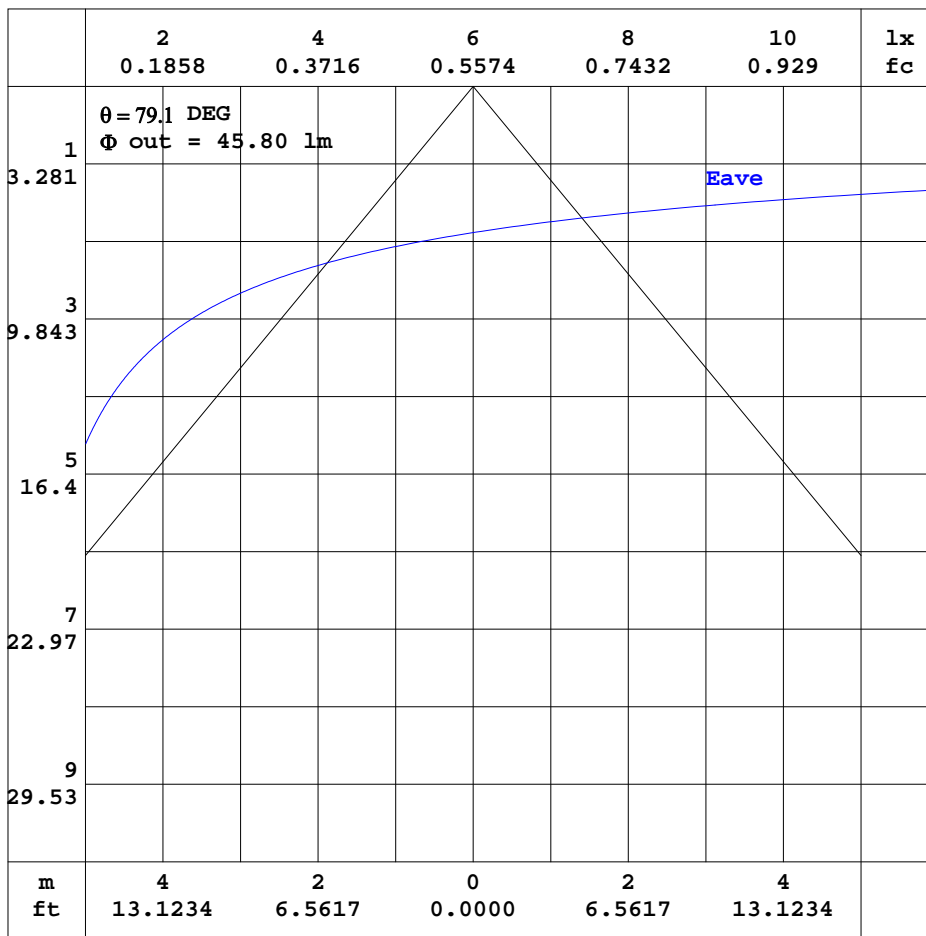


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: G
 Test Date: 2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.750m [K=1.0000]
 Remarks:

AAI CURVES

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



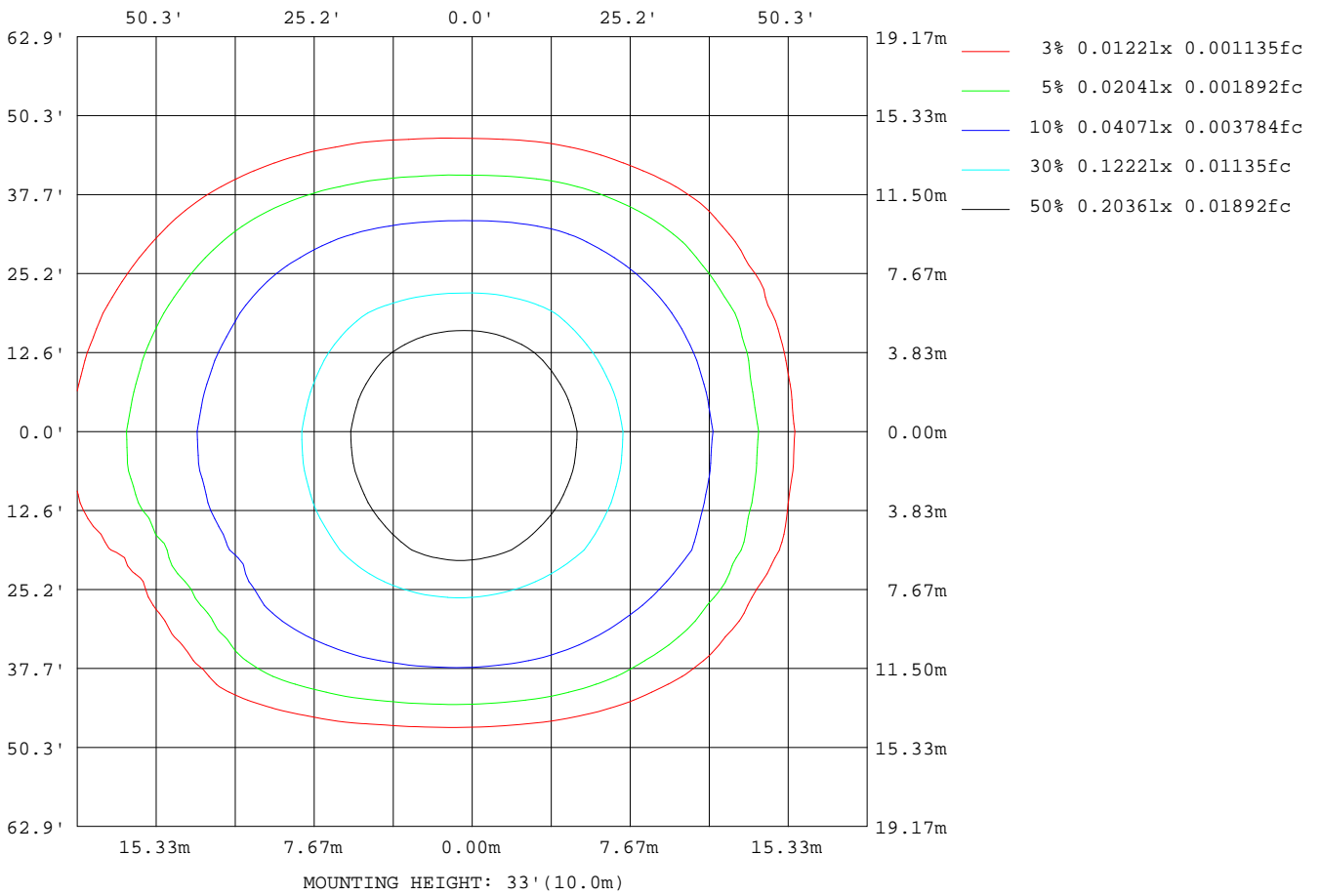
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:G
Test Date:2022-05-31

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:G
 Test Date:2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|-------------------|-------------------|
| Test:U:11.96V I:0.2777A P:2.129W PF:0.6411 Lamp Flux:1000x1 lm | | |
| NAME: 489939-3000K | TYPE:489939-3000K | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

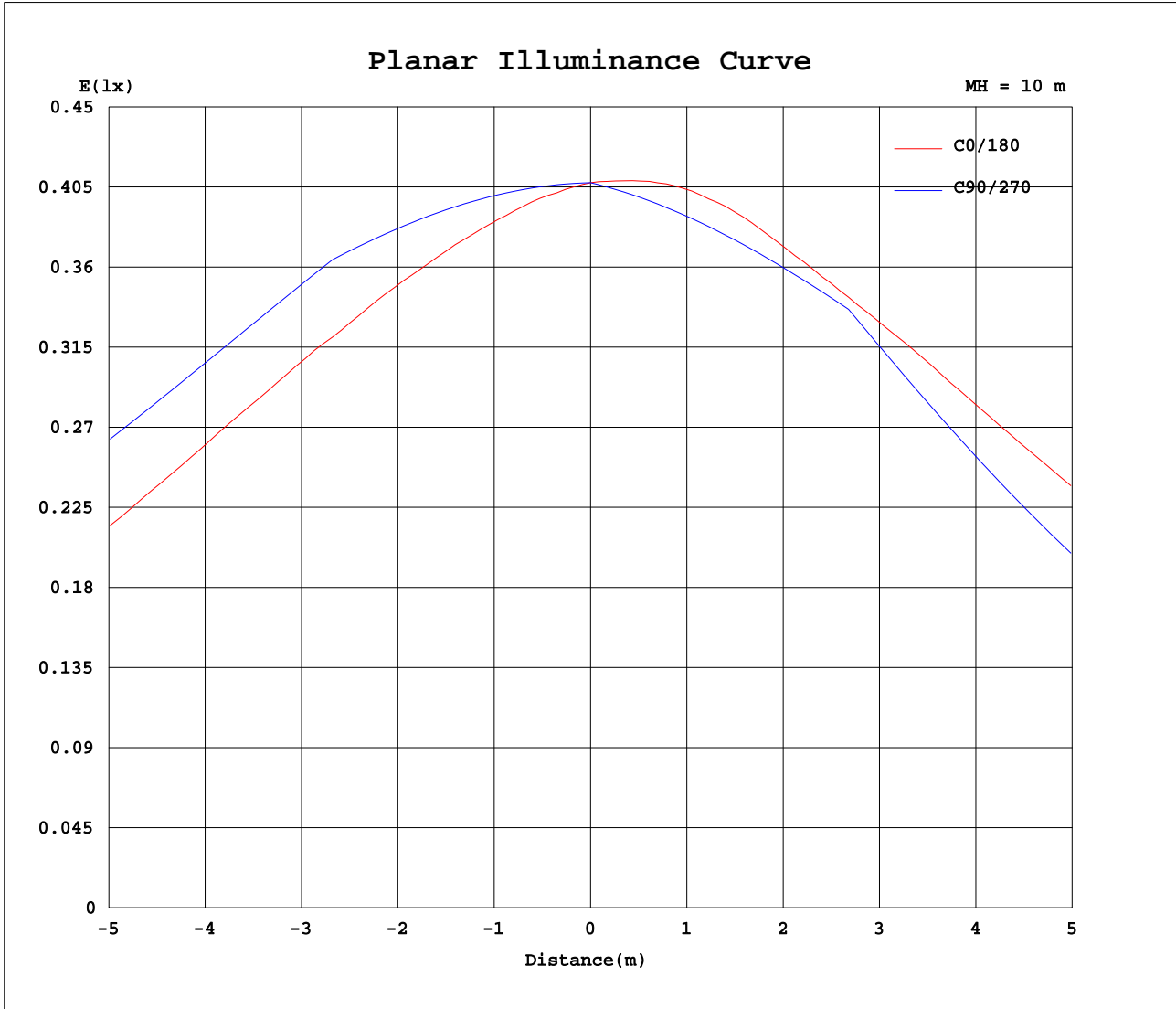
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 82 |
| L_0~180(75)av | 35 |
| L_0~180(85)av | 3 |
| L_90~270(65)av | 19 |
| L_90~270(75)av | 11 |
| L_90~270(85)av | 0 |
| L_45(65)av | 48 |
| L_45(75)av | 17 |
| L_45(85)av | 0 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:G
Test Date:2022-05-31

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: G
 Test Date: 2022-05-31

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.750m [K=1.0000]
 Remarks:

