



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 49.1%   |                          |
| Luminaire Power:    | 2.795 W |                          |
| SHR Nominal:        | 0.00    | Calculated using the TM5 |
| SHR Maximum:        | 1.00    | fine grid method.        |

**C Range:** 0 - 360DEG  
**C Interval:** 10.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** K-LITE  
**Test Date:** 20 October 2020

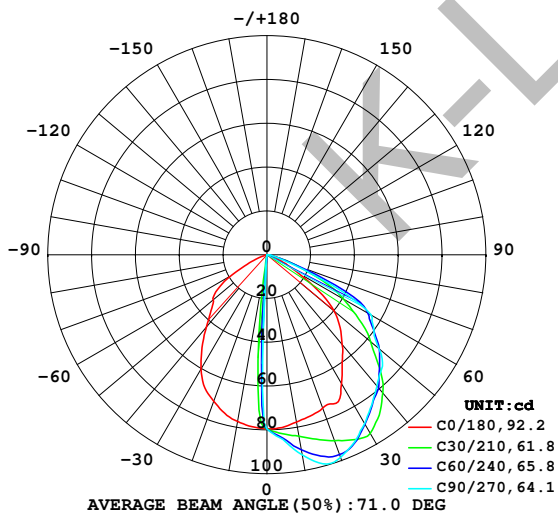
**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
**Humidity:** 65.0%  
**Test Distance:** 1.825m [K=1.0000]  
**Remarks:**

## LUMINAIRE PHOTOMETRIC TEST REPORT

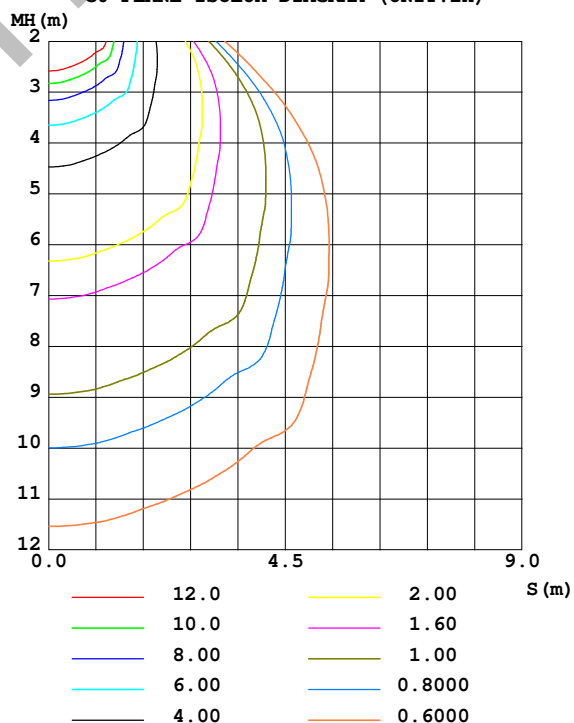
|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA      |        |                     |           | Eff: 48.51 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|-----------|-----------------|
| MODEL             | KL-2762 | I <sub>max</sub> (cd) | 99.64  | S/MH (C0/180)       | 1.15      |                 |
| NOMINAL POWER (W) | 3       | LOR (%)               | 49.1   | S/MH (C90/270)      | 0.09      |                 |
| RATED VOLTAGE (V) | 230     | TOTAL FLUX (lm)       | 135.60 | η UP, DN (C0-180)   | 0.1, 46.5 |                 |
| NOMINAL FLUX (lm) | 276.36  | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 2.5  |                 |
| LAMPS INSIDE      | 1       | η up (%)              | 0.1    | CIBSE SHR NOM       | 0.00      |                 |
| TEST VOLTAGE (V)  | 230     | η down (%)            | 49.0   | CIBSE SHR MAX       | 1.00      |                 |

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: K-LITE  
 Test Date: 20 October 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 1.825m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

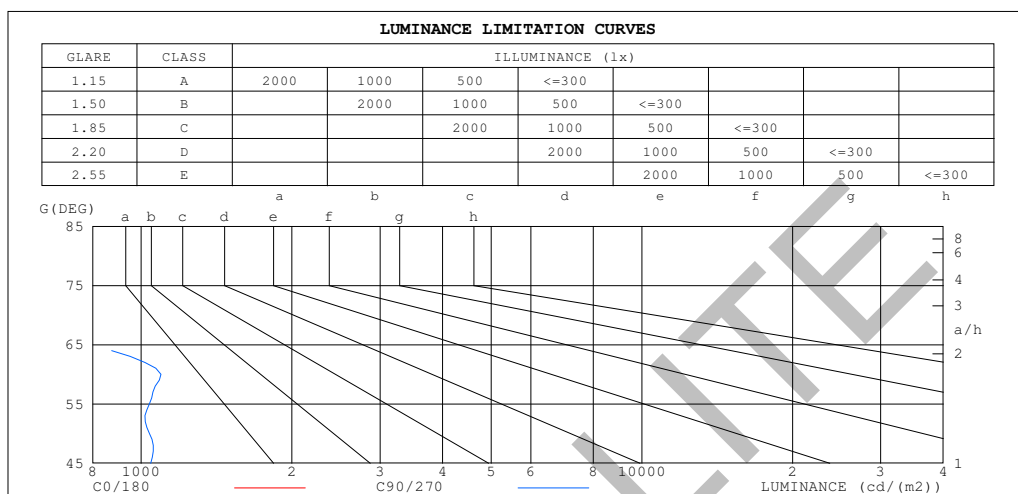
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\Phi$ lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------------|
| 10       | 77.54                 | 87.54  | 92.72  | 85.83  | 77.32  | 1.203  | 0.8557 | 1.270  | 0- 10    | 5.479       | 5.479        | 4.04, 1.98       |
| 20       | 74.56                 | 94.95  | 98.49  | 91.38  | 71.17  | 0.4850 | 0.4282 | 0.5134 | 10- 20   | 14.06       | 19.53        | 14.4, 7.07       |
| 30       | 68.06                 | 91.69  | 89.09  | 87.64  | 60.24  | 0.2294 | 0      | 0.2911 | 20- 30   | 21.72       | 41.26        | 30.4, 14.9       |
| 40       | 53.58                 | 78.41  | 78.15  | 72.93  | 42.97  | 0      | 0.0477 | 0      | 30- 40   | 26.01       | 67.27        | 49.6, 24.3       |
| 50       | 40.07                 | 64.67  | 66.89  | 58.94  | 32.04  | 0.0000 | 0      | 0      | 40- 50   | 27.03       | 94.30        | 69.5, 34.1       |
| 60       | 15.77                 | 46.73  | 54.85  | 43.68  | 18.32  | 0      | 0      | 0      | 50- 60   | 23.91       | 118.2        | 87.2, 42.8       |
| 70       | 3.588                 | 17.07  | 11.37  | 15.05  | 2.889  | 0      | 0      | 0      | 60- 70   | 13.99       | 132.2        | 97.5, 47.8       |
| 80       | 0.4069                | 2.077  | 2.300  | 1.837  | 0.2144 | 0      | 0      | 0      | 70- 80   | 2.580       | 134.8        | 99.4, 48.8       |
| 90       | 0.0052                | 0.6074 | 0.9828 | 0.5627 | 0      | 0      | 0      | 0      | 80- 90   | 0.5386      | 135.3        | 99.8, 49         |
| 100      | 0.0032                | 0.0221 | 0.3783 | 0.0291 | 0      | 0      | 0      | 0      | 90-100   | 0.1775      | 135.5        | 99.9, 49         |
| 110      | 0.0037                | 0.0529 | 0.0016 | 0.0275 | 0      | 0      | 0      | 0      | 100-110  | 0.0404      | 135.5        | 100, 49          |
| 120      | 0                     | 0.0025 | 0.1070 | 0.0109 | 0      | 0      | 0      | 0      | 110-120  | 0.0251      | 135.6        | 100, 49.1        |
| 130      | 0                     | 0.0521 | 0.0848 | 0.0386 | 0      | 0      | 0      | 0      | 120-130  | 0.0192      | 135.6        | 100, 49.1        |
| 140      | 0                     | 0.0347 | 0.0362 | 0.0263 | 0      | 0      | 0      | 0      | 130-140  | 0.0121      | 135.6        | 100, 49.1        |
| 150      | 0                     | 0      | 0.0279 | 0.0059 | 0      | 0      | 0      | 0      | 140-150  | 0.0056      | 135.6        | 100, 49.1        |
| 160      | 0                     | 0.0101 | 0      | 0.0035 | 0      | 0      | 0      | 0      | 150-160  | 0.0015      | 135.6        | 100, 49.1        |
| 170      | 0                     | 0.0025 | 0.0062 | 0.0001 | 0      | 0      | 0      | 0      | 160-170  | 0.0006      | 135.6        | 100, 49.1        |
| 180      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 170-180  | 0.0000      | 135.6        | 100, 49.1        |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |                  |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: K-LITE  
 Test Date: 20 October 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 1.825m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 11     | 165     |
| 80                | 24     | 132     |
| 75                | 39     | 179     |
| 70                | 105    | 332     |
| 65                | 197    | 766     |
| 60                | 317    | 1095    |
| 55                | 505    | 1039    |
| 50                | 626    | 1039    |
| 45                | 673    | 1045    |

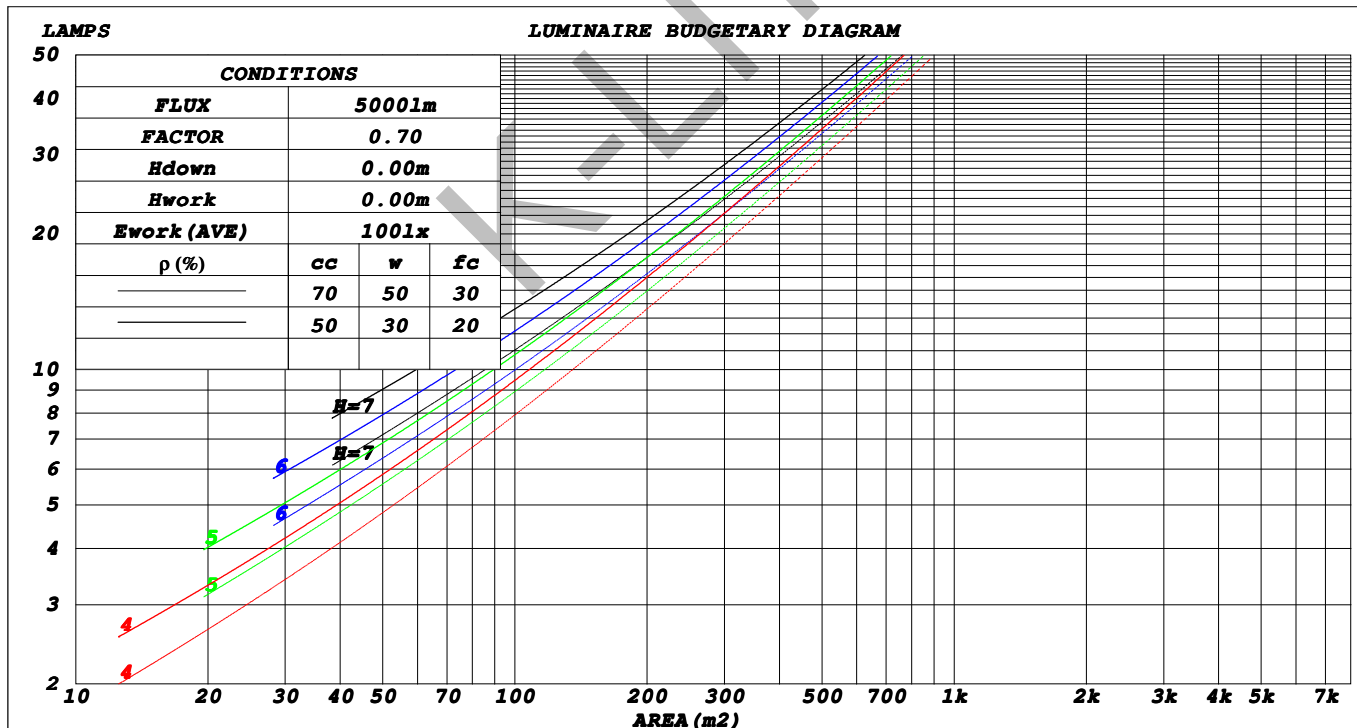
**C Range:** 0 - 360DEG  
**C Interval:** 10.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** K-LITE  
**Test Date:** 20 October 2020

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
**Humidity:** 65.0%  
**Test Distance:** 1.825m [K=1.0000]  
**Remarks:**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |     |     | 70% |     |     | 50%                             |     |     | 30% |     |     | 10% |     |     | 0   |
|-------------|-----------------------|-----|-----|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\rho_w$    | 50%                   | 30% | 10% | 50% | 30% | 10% | 50%                             | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| $\rho_{fc}$ | 20%                   |     |     | 20% |     |     | 20%                             |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR         | RCR:Room Cavity Ratio |     |     |     |     |     | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0         | .58                   | .58 | .58 | .57 | .57 | .57 | .54                             | .54 | .54 | .52 | .52 | .52 | .50 | .50 | .50 | .49 |
| 1.0         | .52                   | .50 | .49 | .51 | .49 | .48 | .49                             | .48 | .46 | .47 | .46 | .45 | .45 | .44 | .44 | .43 |
| 2.0         | .46                   | .43 | .41 | .45 | .42 | .40 | .43                             | .41 | .39 | .42 | .40 | .38 | .40 | .39 | .37 | .36 |
| 3.0         | .41                   | .37 | .34 | .40 | .37 | .34 | .39                             | .36 | .33 | .37 | .35 | .33 | .36 | .34 | .32 | .31 |
| 4.0         | .36                   | .32 | .29 | .36 | .32 | .29 | .34                             | .31 | .29 | .33 | .30 | .28 | .32 | .30 | .28 | .27 |
| 5.0         | .33                   | .28 | .25 | .32 | .28 | .25 | .31                             | .27 | .25 | .30 | .27 | .25 | .29 | .26 | .24 | .23 |
| 6.0         | .29                   | .25 | .22 | .29 | .25 | .22 | .28                             | .24 | .22 | .27 | .24 | .22 | .26 | .24 | .21 | .20 |
| 7.0         | .27                   | .22 | .20 | .26 | .22 | .19 | .25                             | .22 | .19 | .25 | .22 | .19 | .24 | .21 | .19 | .18 |
| 8.0         | .24                   | .20 | .17 | .24 | .20 | .17 | .23                             | .20 | .17 | .23 | .20 | .17 | .22 | .19 | .17 | .16 |
| 9.0         | .22                   | .18 | .16 | .22 | .18 | .16 | .21                             | .18 | .16 | .21 | .18 | .16 | .20 | .18 | .15 | .15 |
| 10.0        | .21                   | .17 | .14 | .20 | .17 | .14 | .20                             | .16 | .14 | .19 | .16 | .14 | .19 | .16 | .14 | .13 |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: K-LITE  
Test Date: 20 October 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
Humidity: 65.0%  
Test Distance: 1.825m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0         | .130                  | .074 | .023 | .126 | .072 | .023 | .120                            | .069 | .022 | .114 | .066 | .021 | .108 | .063 | .020 |   |
| 2.0         | .127                  | .070 | .021 | .124 | .068 | .021 | .118                            | .066 | .020 | .113 | .063 | .020 | .108 | .061 | .019 |   |
| 3.0         | .121                  | .064 | .019 | .118 | .063 | .019 | .113                            | .061 | .019 | .108 | .059 | .018 | .104 | .058 | .018 |   |
| 4.0         | .113                  | .059 | .017 | .111 | .058 | .017 | .107                            | .057 | .017 | .103 | .055 | .017 | .099 | .054 | .016 |   |
| 5.0         | .106                  | .054 | .016 | .104 | .053 | .016 | .100                            | .052 | .015 | .097 | .051 | .015 | .093 | .050 | .015 |   |
| 6.0         | .100                  | .050 | .014 | .098 | .049 | .014 | .094                            | .048 | .014 | .091 | .047 | .014 | .088 | .046 | .014 |   |
| 7.0         | .093                  | .046 | .013 | .092 | .046 | .013 | .089                            | .045 | .013 | .086 | .044 | .013 | .083 | .043 | .013 |   |
| 8.0         | .088                  | .043 | .012 | .086 | .042 | .012 | .083                            | .042 | .012 | .081 | .041 | .012 | .078 | .040 | .012 |   |
| 9.0         | .083                  | .040 | .011 | .081 | .040 | .011 | .079                            | .039 | .011 | .076 | .038 | .011 | .074 | .038 | .011 |   |
| 10.0        | .078                  | .037 | .010 | .077 | .037 | .010 | .074                            | .036 | .010 | .072 | .036 | .010 | .070 | .035 | .010 |   |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .094                  | .094 | .094 | .081 | .081 | .081 | .055                                       | .055 | .055 | .032 | .032 | .032 | .010 | .010 | .010 |   |
| 1.0         | .088                  | .078 | .068 | .075 | .067 | .059 | .051                                       | .046 | .041 | .030 | .027 | .024 | .009 | .009 | .008 |   |
| 2.0         | .083                  | .066 | .051 | .071 | .056 | .044 | .049                                       | .039 | .031 | .028 | .023 | .018 | .009 | .007 | .006 |   |
| 3.0         | .079                  | .057 | .039 | .068 | .049 | .034 | .047                                       | .034 | .024 | .027 | .020 | .014 | .009 | .006 | .005 |   |
| 4.0         | .076                  | .050 | .031 | .065 | .043 | .027 | .045                                       | .030 | .019 | .026 | .018 | .011 | .008 | .006 | .004 |   |
| 5.0         | .072                  | .045 | .025 | .062 | .039 | .022 | .043                                       | .027 | .015 | .025 | .016 | .009 | .008 | .005 | .003 |   |
| 6.0         | .069                  | .041 | .021 | .059 | .035 | .018 | .041                                       | .025 | .013 | .024 | .015 | .008 | .008 | .005 | .003 |   |
| 7.0         | .066                  | .037 | .018 | .056 | .032 | .015 | .039                                       | .023 | .011 | .023 | .013 | .006 | .007 | .004 | .002 |   |
| 8.0         | .063                  | .035 | .015 | .054 | .030 | .013 | .037                                       | .021 | .009 | .022 | .012 | .006 | .007 | .004 | .002 |   |
| 9.0         | .060                  | .032 | .014 | .052 | .028 | .012 | .036                                       | .020 | .008 | .021 | .012 | .005 | .007 | .004 | .002 |   |
| 10.0        | .057                  | .030 | .012 | .049 | .026 | .011 | .034                                       | .018 | .007 | .020 | .011 | .004 | .006 | .004 | .001 |   |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:K-LITE  
 Test Date:20 October 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity:65.0%  
 Test Distance:1.825m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|                                                                                 |               |                  |      |      |                      |               |                |                  |      |      |  |
|---------------------------------------------------------------------------------|---------------|------------------|------|------|----------------------|---------------|----------------|------------------|------|------|--|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |               |                  |      |      |                      |               |                |                  |      |      |  |
| NAME: SUDO MINI - SPOT FRAME                                                    |               |                  |      |      | TYPE:PATH FINDERS    |               |                | WEIGHT:0.421kg   |      |      |  |
| SPEC.:WW, NICHIA                                                                |               |                  |      |      | DIM.: 76 x 110 x 130 |               |                | SERIAL No.:2149  |      |      |  |
| MFR.: K-LITE                                                                    |               |                  |      |      | 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                                                                   | 18.6          | 20.0             | 18.8 | 20.2 | 20.4                 | 20.6          | 22.0           | 20.8             | 22.2 | 22.4 |  |
| 3H                                                                              | 18.8          | 20.1             | 19.1 | 20.3 | 20.5                 | 21.0          | 22.4           | 21.3             | 22.6 | 22.8 |  |
| 4H                                                                              | 18.7          | 19.9             | 19.0 | 20.2 | 20.4                 | 21.0          | 22.2           | 21.3             | 22.5 | 22.7 |  |
| 6H                                                                              | 18.6          | 19.7             | 18.9 | 20.0 | 20.3                 | 20.9          | 22.1           | 21.3             | 22.4 | 22.6 |  |
| 8H                                                                              | 18.5          | 19.7             | 18.9 | 19.9 | 20.2                 | 20.9          | 22.0           | 21.2             | 22.3 | 22.6 |  |
| 12H                                                                             | 18.5          | 19.6             | 18.8 | 19.8 | 20.2                 | 20.8          | 21.9           | 21.2             | 22.2 | 22.5 |  |
| 4H 2H                                                                           | 19.5          | 20.7             | 19.8 | 21.0 | 21.2                 | 21.0          | 22.3           | 21.3             | 22.5 | 22.8 |  |
| 3H                                                                              | 19.7          | 20.8             | 20.1 | 21.1 | 21.4                 | 21.5          | 22.6           | 21.9             | 22.9 | 23.2 |  |
| 4H                                                                              | 19.7          | 20.7             | 20.1 | 21.0 | 21.3                 | 21.5          | 22.5           | 21.9             | 22.8 | 23.1 |  |
| 6H                                                                              | 19.6          | 20.5             | 20.0 | 20.8 | 21.2                 | 21.5          | 22.3           | 21.9             | 22.7 | 23.0 |  |
| 8H                                                                              | 19.6          | 20.4             | 20.0 | 20.7 | 21.1                 | 21.4          | 22.2           | 21.8             | 22.6 | 23.0 |  |
| 12H                                                                             | 19.5          | 20.3             | 20.0 | 20.6 | 21.0                 | 21.4          | 22.1           | 21.8             | 22.5 | 22.9 |  |
| 8H 4H                                                                           | 19.7          | 20.5             | 20.1 | 20.8 | 21.2                 | 21.4          | 22.2           | 21.8             | 22.6 | 23.0 |  |
| 6H                                                                              | 19.6          | 20.3             | 20.1 | 20.7 | 21.1                 | 21.4          | 22.1           | 21.8             | 22.5 | 22.9 |  |
| 8H                                                                              | 19.6          | 20.2             | 20.0 | 20.6 | 21.0                 | 21.4          | 22.0           | 21.9             | 22.4 | 22.8 |  |
| 12H                                                                             | 19.5          | 20.0             | 20.0 | 20.5 | 21.0                 | 21.4          | 21.9           | 21.9             | 22.3 | 22.8 |  |
| 12H 4H                                                                          | 19.6          | 20.4             | 20.1 | 20.8 | 21.2                 | 21.4          | 22.1           | 21.8             | 22.5 | 22.9 |  |
| 6H                                                                              | 19.6          | 20.2             | 20.0 | 20.6 | 21.0                 | 21.4          | 21.9           | 21.8             | 22.4 | 22.8 |  |
| 8H                                                                              | 19.6          | 20.0             | 20.0 | 20.5 | 21.0                 | 21.4          | 21.8           | 21.8             | 22.3 | 22.8 |  |
| Variations with the observer position at spacings:                              |               |                  |      |      |                      |               |                |                  |      |      |  |
| S = 1.0H                                                                        | + 0.7 / - 1.2 |                  |      |      |                      | + 0.4 / - 0.5 |                |                  |      |      |  |
| 1.5H                                                                            | + 0.8 / - 2.0 |                  |      |      |                      | + 0.6 / - 0.9 |                |                  |      |      |  |
| 2.0H                                                                            | + 1.2 / - 4.1 |                  |      |      |                      | + 0.7 / - 1.6 |                |                  |      |      |  |

CIE Pub.117, 276.4 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -4.5$ )  
Area: 0.1 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:K-LITE  
Test Date:20 October 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:1.825m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

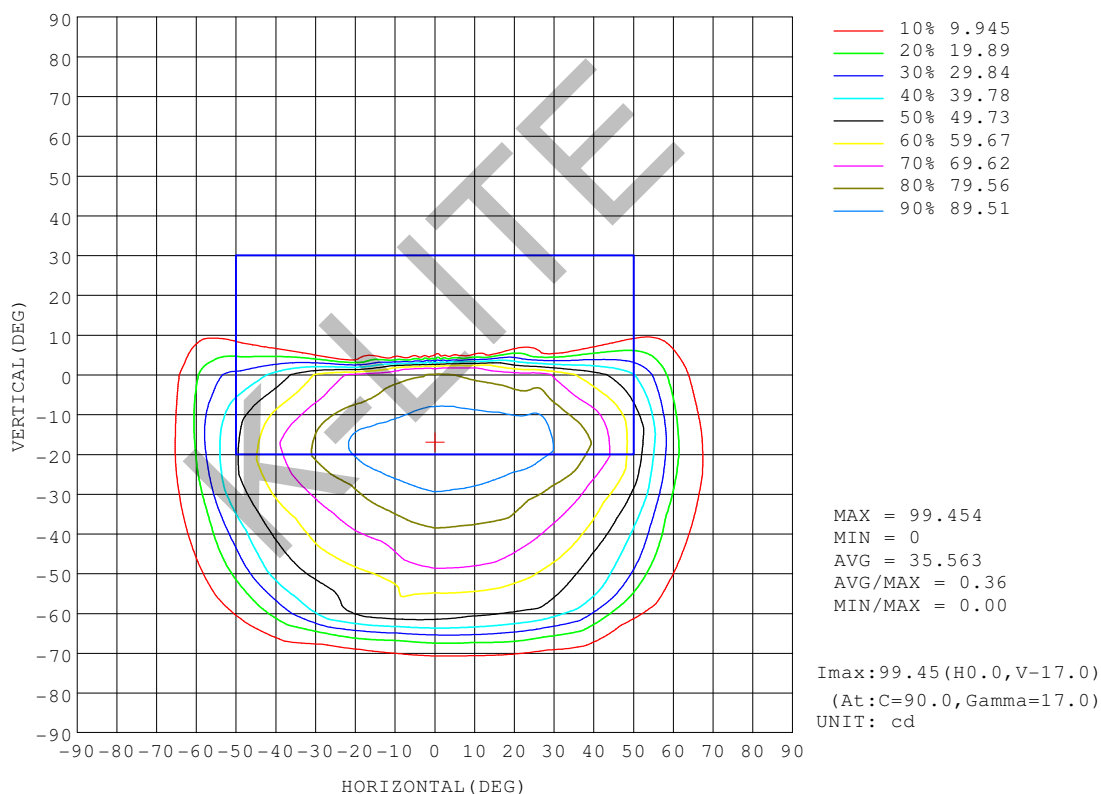
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |              |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|--------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |              |     |        |
| $k = 0.60$                       | 29                                                   | 24  | 20        | 29  | 24  | 20  | 28  | 23           | 20  | 17     |
| 0.80                             | 35                                                   | 29  | 26        | 34  | 29  | 26  | 33  | 29           | 25  | 22     |
| 1.00                             | 39                                                   | 34  | 31        | 38  | 34  | 30  | 37  | 34           | 30  | 27     |
| 1.25                             | 42                                                   | 38  | 35        | 42  | 37  | 34  | 41  | 37           | 34  | 31     |
| 1.50                             | 45                                                   | 40  | 37        | 44  | 40  | 37  | 43  | 39           | 37  | 33     |
| 2.00                             | 48                                                   | 44  | 42        | 47  | 44  | 41  | 46  | 43           | 40  | 37     |
| 2.50                             | 50                                                   | 46  | 44        | 49  | 46  | 43  | 47  | 45           | 42  | 39     |
| 3.00                             | 51                                                   | 48  | 46        | 50  | 48  | 46  | 48  | 46           | 44  | 41     |
| 4.00                             | 53                                                   | 51  | 49        | 52  | 50  | 48  | 50  | 48           | 47  | 43     |
| 5.00                             | 54                                                   | 52  | 50        | 53  | 51  | 50  | 51  | 49           | 48  | 44     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |     |              |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: K-LITE  
 Test Date: 20 October 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 1.825m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

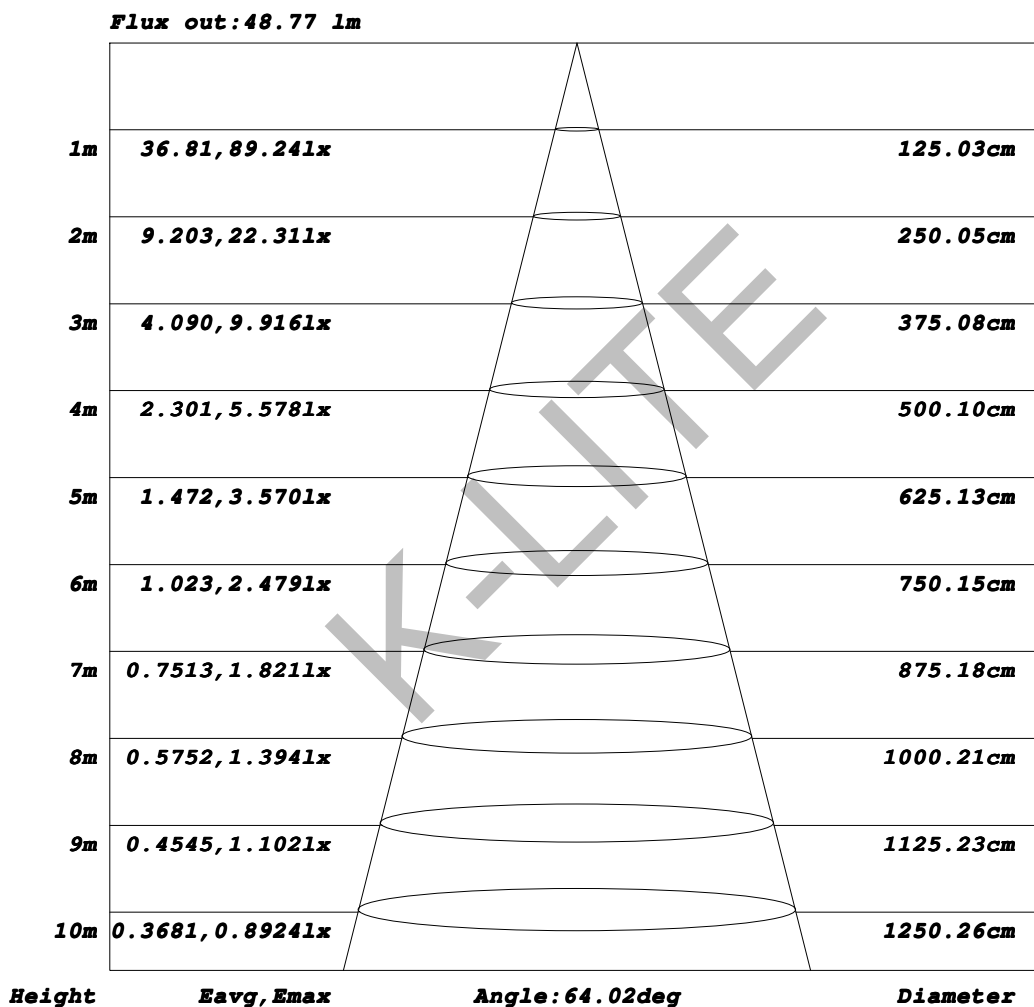


**C Range:** 0 - 360DEG  
**C Interval:** 10.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** K-LITE  
**Test Date:** 20 October 2020

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
**Humidity:** 65.0%  
**Test Distance:** 1.825m [K=1.0000]  
**Remarks:**

## AAI Figure

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |



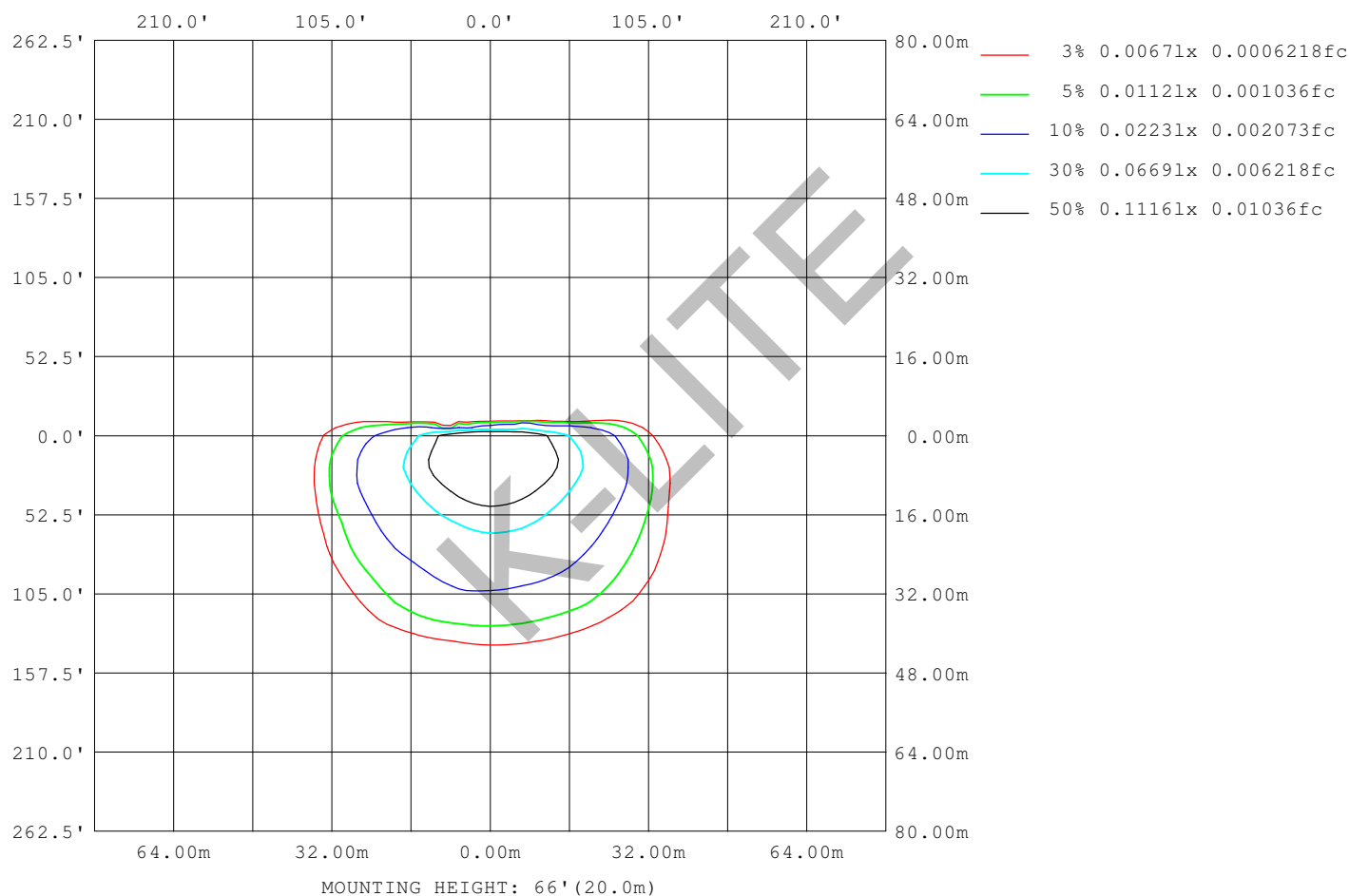
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: K-LITE  
 Test Date: 20 October 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 1.825m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: K-LITE  
 Test Date: 20 October 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 1.825m [K=1.0000]  
 Remarks:

## LED Avg.L Report

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

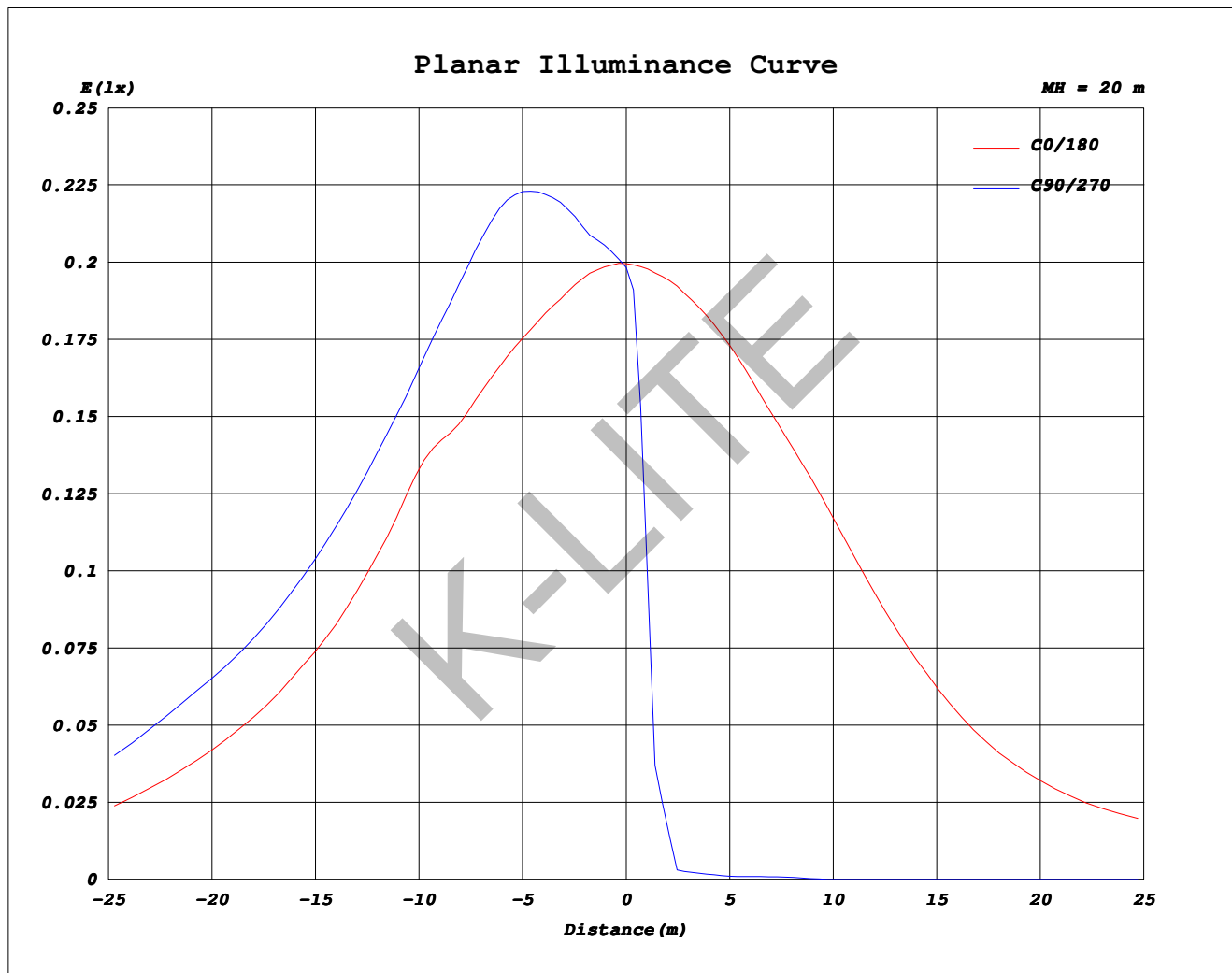
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 204   |
| L_0~180 (75) av  | 31    |
| L_0~180 (85) av  | 6     |
| L_90~270 (65) av | 384   |
| L_90~270 (75) av | 90    |
| L_90~270 (85) av | 82    |
| L_45 (65) av     | 411   |
| L_45 (75) av     | 97    |
| L_45 (85) av     | 61    |

Standard: GB/T 29293-2012

**C Range:** 0 - 360DEG  
**C Interval:** 10.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** K-LITE  
**Test Date:** 20 October 2020

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
**Humidity:** 65.0%  
**Test Distance:** 1.825m [K=1.0000]  
**Remarks:**

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: K-LITE  
Test Date: 20 October 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
Humidity: 65.0%  
Test Distance: 1.825m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                 |                      |                  |
|---------------------------------------------------------------------------------|----------------------|------------------|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |                      |                  |
| NAME: SUDO MINI - SPOT FRAME                                                    | TYPE:PATH FINDERS    | WEIGHT:0.421kg   |
| SPEC.:WW, NICHIA                                                                | DIM.: 76 x 110 x 130 | SERIAL No.:2149  |
| MFR.: K-LITE                                                                    | SUR.:                | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 10   | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 5                  | 79.2 | 80.0 | 81.0 | 82.0 | 82.8 | 83.5 | 84.1 | 84.5 | 84.6 | 84.6 | 84.5 | 84.2 | 83.6 | 82.9 | 82.3 | 81.5 | 80.7 | 79.7 | 78.8 |
| 10                 | 77.5 | 79.7 | 81.8 | 84.1 | 86.5 | 88.6 | 90.3 | 91.7 | 92.4 | 92.7 | 92.2 | 90.9 | 89.1 | 87.0 | 84.7 | 82.4 | 80.9 | 79.1 | 77.3 |
| 15                 | 76.3 | 79.8 | 83.3 | 87.2 | 90.5 | 92.9 | 95.1 | 96.8 | 98.0 | 98.7 | 97.3 | 95.2 | 93.1 | 90.6 | 87.5 | 83.9 | 80.0 | 77.8 | 74.9 |
| 20                 | 74.6 | 79.3 | 84.9 | 90.3 | 93.7 | 96.2 | 97.1 | 97.9 | 97.9 | 98.5 | 97.2 | 96.1 | 94.6 | 92.5 | 90.2 | 86.2 | 79.6 | 75.0 | 71.2 |
| 25                 | 74.8 | 80.8 | 87.6 | 93.3 | 95.3 | 95.4 | 94.9 | 94.8 | 94.0 | 94.5 | 93.6 | 93.0 | 92.4 | 92.5 | 91.8 | 88.0 | 80.1 | 72.2 | 67.1 |
| 30                 | 68.1 | 77.9 | 88.9 | 94.2 | 92.8 | 90.6 | 89.4 | 89.1 | 88.7 | 89.1 | 88.1 | 86.9 | 86.2 | 87.6 | 87.7 | 86.4 | 78.8 | 68.2 | 60.2 |
| 35                 | 59.9 | 73.4 | 86.3 | 89.4 | 86.5 | 84.7 | 83.8 | 83.3 | 83.5 | 82.3 | 80.9 | 80.0 | 78.6 | 80.7 | 81.6 | 75.8 | 64.0 | 51.7 |      |
| 40                 | 53.6 | 70.0 | 82.6 | 82.3 | 78.9 | 77.9 | 79.4 | 78.8 | 78.2 | 78.1 | 76.7 | 75.3 | 73.6 | 72.7 | 73.1 | 74.5 | 71.9 | 60.1 | 43.0 |
| 45                 | 47.4 | 65.7 | 74.8 | 72.7 | 71.4 | 71.3 | 72.8 | 73.9 | 73.8 | 74.0 | 71.5 | 67.9 | 67.1 | 66.4 | 64.7 | 66.3 | 65.8 | 55.6 | 36.1 |
| 50                 | 40.1 | 57.6 | 64.4 | 61.8 | 63.4 | 66.0 | 67.0 | 68.2 | 67.5 | 66.9 | 64.9 | 62.8 | 61.3 | 60.2 | 57.7 | 57.9 | 57.3 | 48.9 | 32.0 |
| 55                 | 28.8 | 45.7 | 51.6 | 51.3 | 54.0 | 57.0 | 59.4 | 60.2 | 59.8 | 59.7 | 60.1 | 56.6 | 53.8 | 53.9 | 50.3 | 47.4 | 47.4 | 40.0 | 27.5 |
| 60                 | 15.8 | 28.9 | 36.3 | 40.2 | 44.4 | 49.1 | 53.2 | 52.5 | 52.3 | 54.8 | 56.7 | 54.9 | 48.2 | 45.4 | 42.0 | 36.1 | 33.7 | 27.4 | 18.3 |
| 65                 | 8.30 | 16.7 | 18.7 | 28.1 | 36.2 | 40.6 | 39.5 | 35.9 | 33.5 | 32.4 | 31.7 | 35.3 | 38.7 | 33.5 | 27.5 | 22.6 | 15.9 | 12.3 | 8.95 |
| 70                 | 3.59 | 9.12 | 11.1 | 14.1 | 15.1 | 19.1 | 15.2 | 14.4 | 11.9 | 11.4 | 10.7 | 10.5 | 11.2 | 15.5 | 14.6 | 11.7 | 8.73 | 6.10 | 2.89 |
| 75                 | 1.00 | 1.79 | 3.42 | 5.24 | 5.62 | 5.70 | 5.16 | 4.70 | 4.76 | 4.65 | 4.41 | 4.19 | 4.17 | 4.24 | 4.21 | 2.77 | 1.85 | 1.10 | 0.59 |
| 80                 | 0.41 | 0.74 | 1.01 | 1.50 | 1.94 | 2.21 | 2.17 | 2.26 | 2.28 | 2.30 | 2.25 | 2.21 | 2.11 | 2.04 | 1.63 | 1.22 | 0.80 | 0.48 | 0.21 |
| 85                 | 0.09 | 0.29 | 0.49 | 0.75 | 0.98 | 1.15 | 1.25 | 1.36 | 1.41 | 1.44 | 1.41 | 1.37 | 1.29 | 1.17 | 0.94 | 0.67 | 0.39 | 0.17 | 0.02 |
| 90                 | 0.01 | 0.11 | 0.25 | 0.40 | 0.53 | 0.68 | 0.80 | 0.91 | 0.95 | 0.98 | 0.94 | 0.89 | 0.77 | 0.64 | 0.49 | 0.34 | 0.20 | 0.06 | 0.00 |
| 95                 | 0.00 | 0.00 | 0.00 | 0.06 | 0.34 | 0.41 | 0.47 | 0.52 | 0.55 | 0.57 | 0.56 | 0.52 | 0.46 | 0.39 | 0.31 | 0.13 | 0.00 | 0.00 | 0.00 |
| 100                | 0.00 | 0.07 | 0.13 | 0.19 | 0.00 | 0.04 | 0.31 | 0.35 | 0.37 | 0.38 | 0.37 | 0.34 | 0.30 | 0.06 | 0.00 | 0.16 | 0.10 | 0.03 | 0.00 |
| 105                | 0.00 | 0.05 | 0.11 | 0.15 | 0.17 | 0.04 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.02 | 0.15 | 0.12 | 0.08 | 0.02 | 0.00 |
| 110                | 0.00 | 0.05 | 0.09 | 0.11 | 0.11 | 0.00 | 0.00 | 0.11 | 0.02 | 0.00 | 0.03 | 0.09 | 0.00 | 0.00 | 0.05 | 0.09 | 0.06 | 0.02 | 0.00 |
| 115                | 0.00 | 0.00 | 0.04 | 0.01 | 0.00 | 0.00 | 0.03 | 0.13 | 0.14 | 0.13 | 0.13 | 0.12 | 0.10 | 0.00 | 0.00 | 0.00 | 0.03 | 0.02 | 0.00 |
| 120                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.08 | 0.08 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130                | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.04 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 |
| 135                | 0.00 | 0.01 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.00 | 0.00 |
| 140                | 0.00 | 0.01 | 0.02 | 0.00 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 |
| 145                | 0.00 | 0.01 | 0.01 | 0.02 | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 |
| 150                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 155                | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| 160                | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| 165                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 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 | 0.01 | 0.01 | 0.01 | 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:K-LITE

Test Date:20 October 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.417

Humidity:65.0%

Test Distance:1.825m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                 |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |                  |  |  |
|---------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|------------------|--|--|
| Test:U:230.39V I:0.0129A P:2.7954W PF:0.9382 Freq:49.99Hz Lamp Flux:276.36x1 lm |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |                  |  |  |
| NAME: SUDO MINI - SPOT FRAME                                                    |  |  |  |  |  |  |  |  | TYPE:PATH FINDERS    |  |  |  |  |  | WEIGHT:0.421kg   |  |  |
| SPEC.:WW, NICHIA                                                                |  |  |  |  |  |  |  |  | DIM.: 76 x 110 x 130 |  |  |  |  |  | SERIAL No.:2149  |  |  |
| MFR.: K-LITE                                                                    |  |  |  |  |  |  |  |  | SUR.:                |  |  |  |  |  | Shielding Angle: |  |  |

Table--2

UNIT: cd

| C (DEG) | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| γ (DEG) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |
| 0       | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |  |  |
| 5       | 77.0 | 67.2 | 48.4 | 34.0 | 16.8 | 18.1 | 5.25 | 4.54 | 10.0 | 15.1 | 6.20 | 19.1 | 21.4 | 38.7 | 54.2 | 71.3 | 78.0 |  |  |
| 10      | 61.1 | 24.3 | 3.46 | 1.30 | 1.11 | 1.00 | 0.91 | 0.87 | 0.86 | 0.89 | 0.93 | 1.03 | 1.15 | 1.39 | 5.60 | 36.9 | 71.0 |  |  |
| 15      | 34.8 | 1.64 | 1.06 | 0.82 | 0.66 | 0.57 | 0.49 | 0.47 | 0.47 | 0.47 | 0.50 | 0.59 | 0.70 | 0.90 | 1.17 | 5.78 | 56.4 |  |  |
| 20      | 9.73 | 1.07 | 0.71 | 0.51 | 0.46 | 0.45 | 0.44 | 0.43 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.58 | 0.83 | 1.28 | 37.7 |  |  |
| 25      | 1.52 | 0.76 | 0.46 | 0.42 | 0.40 | 0.31 | 0.19 | 0.13 | 0.11 | 0.14 | 0.22 | 0.35 | 0.41 | 0.43 | 0.57 | 0.97 | 18.6 |  |  |
| 30      | 1.07 | 0.54 | 0.40 | 0.34 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.21 | 0.37 | 0.39 | 0.70 | 5.32 |  |  |
| 35      | 0.81 | 0.38 | 0.33 | 0.07 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.18 | 0.34 | 0.49 | 1.35 |  |  |
| 40      | 0.58 | 0.32 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.08 | 0.05 | 0.06 | 0.01 | 0.00 | 0.00 | 0.23 | 0.32 | 0.98 |  |  |
| 45      | 0.43 | 0.24 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.04 | 0.27 | 0.75 |  |  |
| 50      | 0.33 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.21 | 0.62 |  |  |
| 55      | 0.27 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.14 | 0.56 |  |  |
| 60      | 0.21 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.11 | 0.47 |  |  |
| 65      | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.09 | 0.37 |  |  |
| 70      | 0.11 | 0.03 | 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 | 0.06 | 0.26 |  |  |
| 75      | 0.07 | 0.02 | 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 | 0.04 | 0.18 |  |  |
| 80      | 0.03 | 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 | 0.01 | 0.09 |  |  |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |  |  |
| 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 |  |  |
| 95      | 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 |  |  |
| 100     | 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 |  |  |
| 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:K-LITE

Test Date:20 October 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.417

Humidity:65.0%

Test Distance:1.825m [K=1.0000]

Remarks: