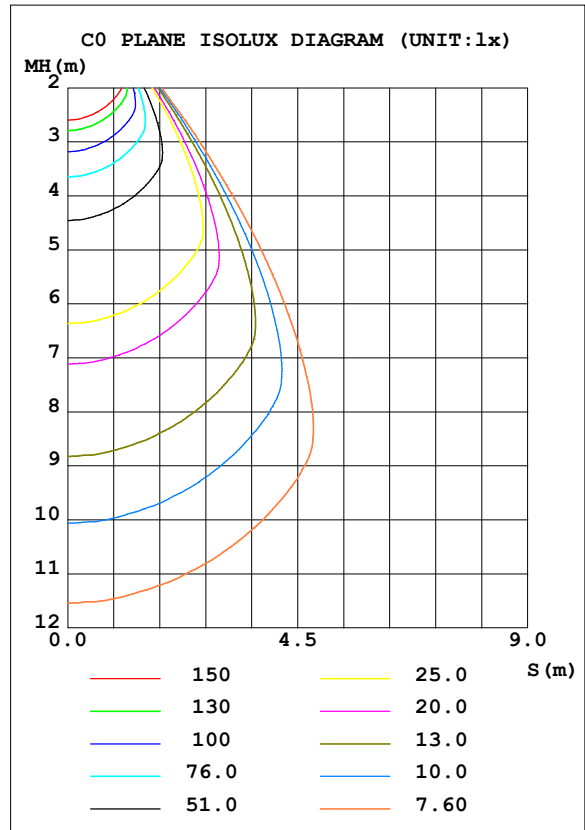
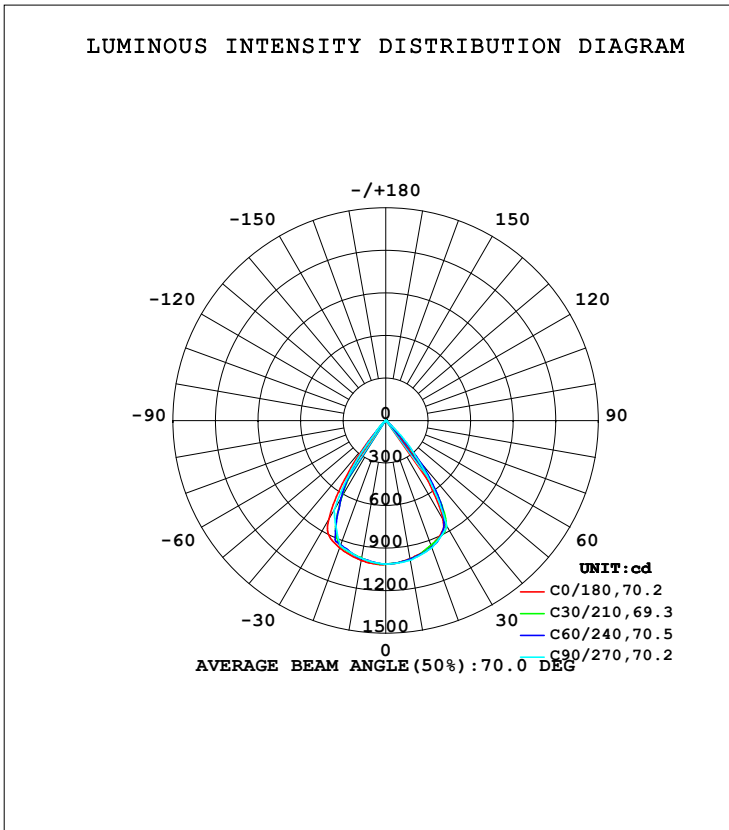


**LUMINAIRE PHOTOMETRIC TEST REPORT**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 60.25 lm/W |        |                     |          |
|-------------------|---------|----------------------------------|--------|---------------------|----------|
| MODEL             | LED     | I <sub>max</sub> (cd)            | 1017   | S/MH (C0/180)       | 1.01     |
| NOMINAL POWER (W) | 19.1646 | LOR (%)                          | 100.0  | S/MH (C90/270)      | 0.97     |
| RATED VOLTAGE (V) | 230     | TOTAL FLUX (lm)                  | 1154.6 | η UP, DN (C0-180)   | 0.0,52.7 |
| NOMINAL FLUX (lm) | 1154.63 | CIE CLASS                        | DIRECT | η UP, DN (C180-360) | 0.0,47.3 |
| LAMPS INSIDE      | 1       | η up (%)                         | 0.0    | CIBSE SHR NOM       | 1.00     |
| TEST VOLTAGE (V)  | 230     | η down (%)                       | 100.0  | CIBSE SHR MAX       | 1.00     |



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

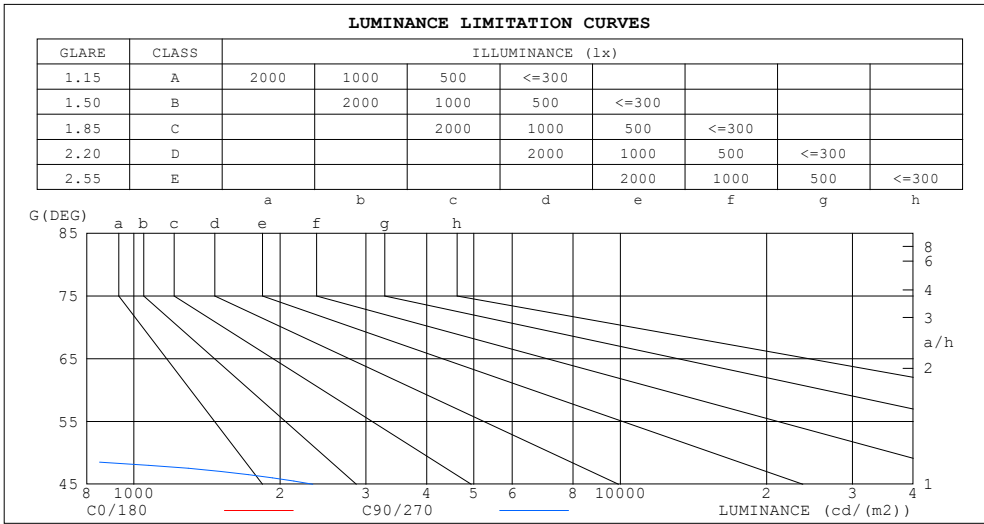
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10       | 990.5                 | 991.3  | 1001   | 995.9  | 1001   | 985.4 | 987.0 | 985.0 | 0- 10    | 95.50       | 95.50        | 8.27,8.27 |
| 20       | 937.5                 | 948.5  | 953.4  | 943.2  | 954.5  | 926.3 | 939.3 | 940.6 | 10- 20   | 273.8       | 369.3        | 32,32     |
| 30       | 811.6                 | 828.6  | 864.3  | 780.3  | 806.4  | 662.0 | 728.4 | 776.6 | 20- 30   | 403.5       | 772.8        | 66.9,66.9 |
| 40       | 192.5                 | 284.1  | 329.8  | 292.7  | 190.3  | 108.2 | 118.0 | 200.6 | 30- 40   | 310.8       | 1084         | 93.8,93.8 |
| 50       | 4.883                 | 12.49  | 9.847  | 5.157  | 3.214  | 8.319 | 12.21 | 12.75 | 40- 50   | 62.76       | 1146         | 99.3,99.3 |
| 60       | 0.9024                | 0.8219 | 0.9128 | 0.8459 | 0.7343 | 4.189 | 6.184 | 5.268 | 50- 60   | 4.736       | 1151         | 99.7,99.7 |
| 70       | 0.1135                | 0.3206 | 0.2323 | 0.2640 | 0.0756 | 2.539 | 3.306 | 3.229 | 60- 70   | 1.902       | 1153         | 99.9,99.9 |
| 80       | 0.0648                | 0.1911 | 0.2215 | 0.2087 | 0.0378 | 1.925 | 2.117 | 2.259 | 70- 80   | 1.190       | 1154         | 100,100   |
| 90       | 0.0378                | 0      | 0      | 0      | 0.0270 | 0     | 0     | 0     | 80- 90   | 0.5164      | 1155         | 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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**LUMINANCE LIMITATION CURVES**

|   |                                |                         |
|---|--------------------------------|-------------------------|
| <b>NAME:</b> 2406270499 6 INC DOWNLIGHT 20W | <b>TYPE:</b> DOWNLIGHT ARMATUR | <b>WEIGHT:</b> 0,430kg  |
| <b>SPEC.:</b>                               | <b>DIM.:</b> 174X85mm          | <b>SERIAL No.:</b>      |
| <b>MFR.:</b> PELSAN                         | <b>SUR.:</b>                   | <b>Shielding Angle:</b> |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 6      | 0       |
| 80                | 4      | 13      |
| 75                | 3      | 9       |
| 70                | 3      | 7       |
| 65                | 5      | 14      |
| 60                | 18     | 18      |
| 55                | 31     | 92      |
| 50                | 76     | 153     |
| 45                | 528    | 2333    |

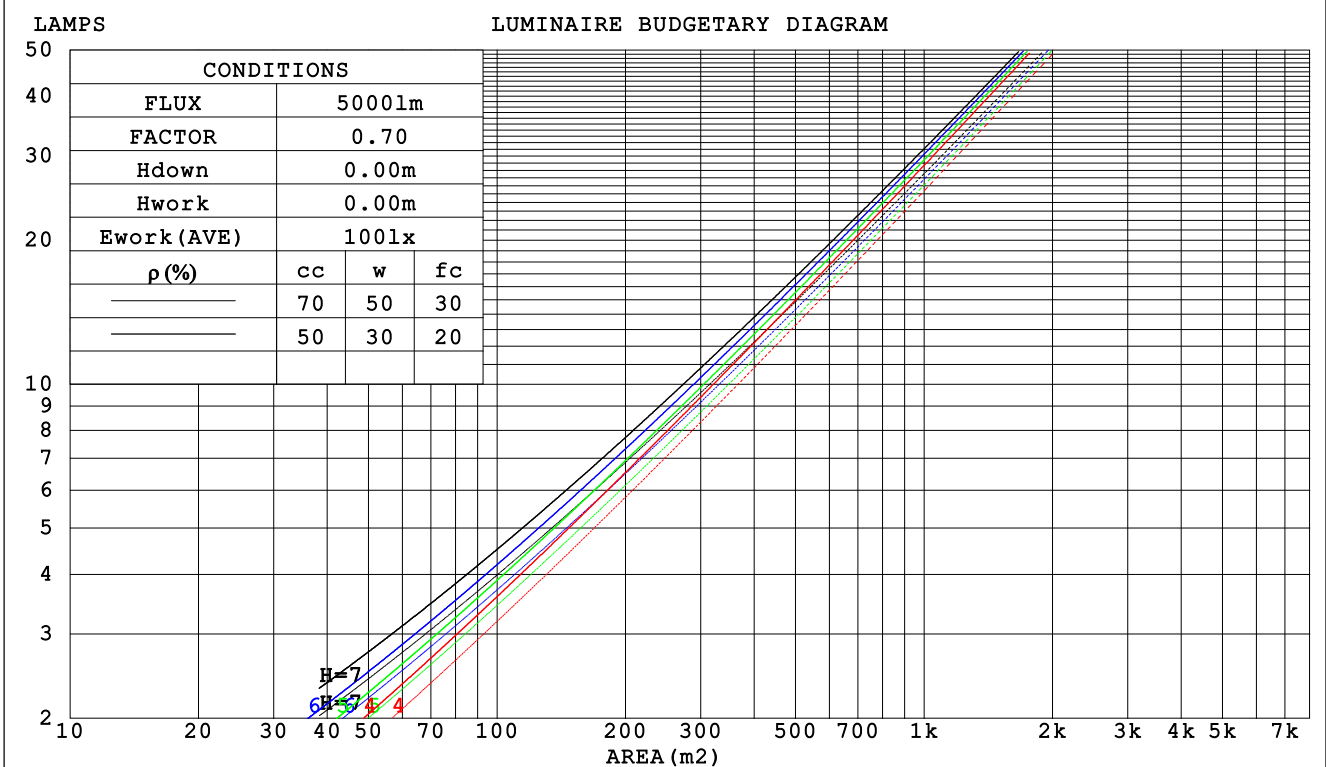
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | 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         | 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                  | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04                            | 1.03 | 1.01 | 1.01 | .99  | .98  | .97  | .96  | .95  | .93 |
| 2.0         | 1.03                  | .99  | .95  | 1.01 | .97  | .94  | .98                             | .95  | .92  | .95  | .92  | .90  | .92  | .90  | .88  | .86 |
| 3.0         | .95                   | .90  | .86  | .94  | .89  | .86  | .91                             | .87  | .84  | .89  | .86  | .83  | .87  | .84  | .82  | .80 |
| 4.0         | .89                   | .83  | .79  | .88  | .82  | .78  | .86                             | .81  | .77  | .84  | .80  | .77  | .82  | .78  | .76  | .74 |
| 5.0         | .83                   | .77  | .72  | .82  | .76  | .72  | .80                             | .75  | .71  | .78  | .74  | .71  | .77  | .73  | .70  | .69 |
| 6.0         | .77                   | .71  | .67  | .77  | .71  | .67  | .75                             | .70  | .66  | .74  | .69  | .66  | .72  | .68  | .65  | .64 |
| 7.0         | .72                   | .66  | .62  | .72  | .66  | .62  | .70                             | .65  | .61  | .69  | .65  | .61  | .68  | .64  | .61  | .59 |
| 8.0         | .68                   | .62  | .58  | .67  | .61  | .57  | .66                             | .61  | .57  | .65  | .60  | .57  | .64  | .60  | .57  | .55 |
| 9.0         | .64                   | .58  | .54  | .63  | .57  | .53  | .62                             | .57  | .53  | .61  | .57  | .53  | .61  | .56  | .53  | .52 |
| 10.0        | .60                   | .54  | .50  | .60  | .54  | .50  | .59                             | .53  | .50  | .58  | .53  | .50  | .57  | .53  | .50  | .48 |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

WEC AND CCEC

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | 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         | .182                  | .103 | .033 | .175 | .100 | .032 | .162                             | .093 | .030 | .151 | .087 | .028 | .140 | .081 | .026 |   |
| 2.0         | .175                  | .096 | .029 | .169 | .093 | .029 | .158                             | .088 | .027 | .149 | .083 | .026 | .140 | .079 | .025 |   |
| 3.0         | .167                  | .089 | .027 | .162 | .087 | .026 | .153                             | .083 | .025 | .145 | .079 | .024 | .137 | .076 | .023 |   |
| 4.0         | .160                  | .083 | .024 | .156 | .081 | .024 | .148                             | .078 | .023 | .140 | .075 | .023 | .134 | .073 | .022 |   |
| 5.0         | .153                  | .078 | .023 | .149 | .077 | .022 | .142                             | .074 | .022 | .136 | .072 | .021 | .130 | .069 | .021 |   |
| 6.0         | .146                  | .073 | .021 | .143 | .072 | .021 | .137                             | .070 | .020 | .131 | .068 | .020 | .126 | .066 | .020 |   |
| 7.0         | .140                  | .069 | .020 | .137 | .068 | .019 | .132                             | .067 | .019 | .127 | .065 | .019 | .122 | .063 | .019 |   |
| 8.0         | .134                  | .066 | .018 | .132 | .065 | .018 | .127                             | .063 | .018 | .122 | .062 | .018 | .118 | .061 | .018 |   |
| 9.0         | .129                  | .062 | .017 | .127 | .062 | .017 | .122                             | .060 | .017 | .118 | .059 | .017 | .114 | .058 | .017 |   |
| 10.0        | .124                  | .059 | .016 | .122 | .059 | .016 | .118                             | .058 | .016 | .114 | .057 | .016 | .110 | .056 | .016 |   |

| $\rho_{cc}$ | 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         | .190                  | .190 | .190 | .163 | .163 | .163 | .111  | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .171                  | .157 | .144 | .147 | .135 | .124 | .100  | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 |   |
| 2.0         | .157                  | .132 | .112 | .134 | .114 | .097 | .092  | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 |   |
| 3.0         | .145                  | .114 | .089 | .124 | .098 | .077 | .085  | .068 | .054 | .049 | .040 | .032 | .016 | .013 | .010 |   |
| 4.0         | .135                  | .099 | .072 | .116 | .086 | .062 | .080  | .060 | .044 | .046 | .035 | .026 | .015 | .011 | .009 |   |
| 5.0         | .127                  | .088 | .059 | .109 | .076 | .051 | .075  | .053 | .036 | .043 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0         | .119                  | .078 | .049 | .103 | .068 | .043 | .071  | .047 | .030 | .041 | .028 | .018 | .013 | .009 | .006 |   |
| 7.0         | .113                  | .071 | .041 | .097 | .061 | .036 | .067  | .043 | .025 | .039 | .025 | .015 | .013 | .008 | .005 |   |
| 8.0         | .108                  | .065 | .035 | .093 | .056 | .031 | .064  | .039 | .022 | .037 | .023 | .013 | .012 | .008 | .004 |   |
| 9.0         | .103                  | .060 | .031 | .089 | .052 | .027 | .061  | .036 | .019 | .036 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0        | .098                  | .055 | .027 | .085 | .048 | .023 | .059  | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 |   |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**UGR(Unified Glare Rating) Table**

|  |                  |      |      |      |                        |                |      |      |      |                  |  |  |  |  |
|--|------------------|------|------|------|------------------------|----------------|------|------|------|------------------|--|--|--|--|
| NAME: 2406270499 6 INC DOWNLIGHT 20W               |                  |      |      |      | TYPE:DOWNLIGHT ARMATUR |                |      |      |      | WEIGHT:0,430kg   |  |  |  |  |
| SPEC.:   |                  |      |      |      | DIM.: 174X85mm         |                |      |      |      | SERIAL No.:      |  |  |  |  |
| MFR.: PELSAN                                       |                  |      |      |      | 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                                      | 11.0             | 12.0 | 11.2 | 12.1 | 12.3                   | 11.7           | 12.7 | 12.0 | 12.9 | 13.1             |  |  |  |  |
| 3H   | 10.8             | 11.7 | 11.1 | 11.9 | 12.1                   | 11.6           | 12.5 | 11.8 | 12.7 | 12.9             |  |  |  |  |
| 4H   | 10.7             | 11.6 | 11.0 | 11.8 | 12.0                   | 11.5           | 12.3 | 11.8 | 12.6 | 12.8             |  |  |  |  |
| 6H   | 10.6             | 11.4 | 10.9 | 11.7 | 11.9                   | 11.4           | 12.2 | 11.7 | 12.4 | 12.7             |  |  |  |  |
| 8H   | 10.6             | 11.3 | 10.9 | 11.6 | 11.9                   | 11.3           | 12.1 | 11.7 | 12.4 | 12.6             |  |  |  |  |
| 12H  | 10.5             | 11.3 | 10.8 | 11.5 | 11.8                   | 11.3           | 12.0 | 11.6 | 12.3 | 12.6             |  |  |  |  |
| 4H 2H  | 10.7             | 11.6 | 11.0 | 11.8 | 12.0                   | 11.5           | 12.3 | 11.8 | 12.6 | 12.8             |  |  |  |  |
| 3H   | 10.5             | 11.3 | 10.8 | 11.5 | 11.8                   | 11.3           | 12.0 | 11.6 | 12.3 | 12.6             |  |  |  |  |
| 4H   | 10.4             | 11.1 | 10.8 | 11.4 | 11.7                   | 11.2           | 11.9 | 11.5 | 12.2 | 12.5             |  |  |  |  |
| 6H   | 10.3             | 10.9 | 10.7 | 11.2 | 11.6                   | 11.1           | 11.7 | 11.5 | 12.0 | 12.4             |  |  |  |  |
| 8H   | 10.3             | 10.8 | 10.7 | 11.2 | 11.5                   | 11.1           | 11.6 | 11.5 | 11.9 | 12.3             |  |  |  |  |
| 12H  | 10.2             | 10.7 | 10.6 | 11.1 | 11.5                   | 11.0           | 11.5 | 11.4 | 11.9 | 12.3             |  |  |  |  |
| 8H 4H  | 10.3             | 10.8 | 10.7 | 11.2 | 11.5                   | 11.1           | 11.6 | 11.4 | 11.9 | 12.3             |  |  |  |  |
| 6H   | 10.2             | 10.6 | 10.6 | 11.0 | 11.4                   | 11.0           | 11.4 | 11.4 | 11.8 | 12.2             |  |  |  |  |
| 8H   | 10.1             | 10.5 | 10.6 | 10.9 | 11.4                   | 10.9           | 11.3 | 11.4 | 11.7 | 12.1             |  |  |  |  |
| 12H  | 10.1             | 10.4 | 10.5 | 10.8 | 11.3                   | 10.8           | 11.2 | 11.3 | 11.6 | 12.1             |  |  |  |  |
| 12H 4H   | 10.2             | 10.7 | 10.6 | 11.1 | 11.5                   | 11.0           | 11.5 | 11.4 | 11.9 | 12.3             |  |  |  |  |
| 6H   | 10.1             | 10.5 | 10.6 | 10.9 | 11.4                   | 10.9           | 11.3 | 11.4 | 11.7 | 12.1             |  |  |  |  |
| 8H   | 10.1             | 10.4 | 10.5 | 10.8 | 11.3                   | 10.8           | 11.2 | 11.3 | 11.6 | 12.1             |  |  |  |  |
| Variations with the observer position at spacings: |                  |      |      |      |                        |                |      |      |      |                  |  |  |  |  |
| S = 1.0H   | + 3.1 / -27.8    |      |      |      |                        | + 2.9 / -25.3  |      |      |      |                  |  |  |  |  |
| 1.5H   | + 5.7 / -24.9    |      |      |      |                        | + 5.0 / -27.0  |      |      |      |                  |  |  |  |  |
| 2.0H   | + 7.3 / -14.2    |      |      |      |                        | + 7.8 / -22.6  |      |      |      |                  |  |  |  |  |

CIE Pub.117, 1155 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)  
 Area: 0.1 m2

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270499 6 INC DOWNLIGHT 20W

**UTILIZATION FACTORS TABLE**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |

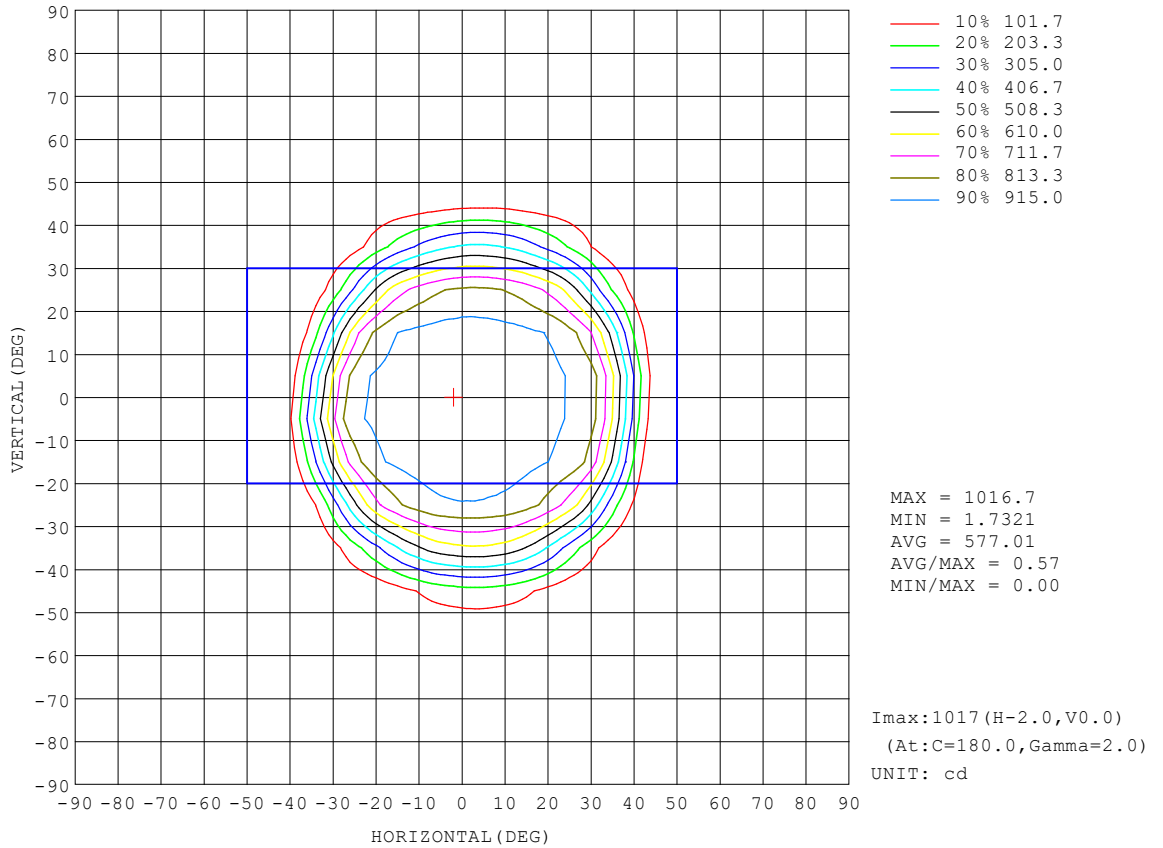
| REFLECTANCE                      |   |     |           |     |     |     |               |     |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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) x RCR = 5 |     |           |     |     |     |               |     |     |        |
| k = 0.60                         | 88  | 81  | 78        | 87  | 81  | 78  | 86            | 81  | 77  | 74     |
| 0.80                             | 95  | 89  | 86        | 95  | 89  | 86  | 93            | 88  | 85  | 82     |
| 1.00                             | 100   | 94  | 91        | 99  | 94  | 90  | 97            | 94  | 90  | 86     |
| 1.25                             | 104   | 99  | 95        | 103 | 98  | 95  | 101           | 97  | 94  | 90     |
| 1.50                             | 106   | 102 | 98        | 105 | 101 | 98  | 103           | 99  | 97  | 92     |
| 2.00                             | 109   | 105 | 102       | 107 | 104 | 101 | 105           | 102 | 99  | 94     |
| 2.50                             | 110   | 107 | 104       | 109 | 106 | 103 | 106           | 103 | 101 | 95     |
| 3.00                             | 112   | 109 | 106       | 110 | 107 | 105 | 107           | 105 | 103 | 96     |
| 4.00                             | 114   | 111 | 109       | 112 | 110 | 108 | 108           | 106 | 105 | 98     |
| 5.00                             | 115   | 113 | 111       | 113 | 111 | 110 | 109           | 108 | 106 | 99     |
| ROOM INDEX                       | UF(total)                                     |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**ISOCANDELA DIAGRAM**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |



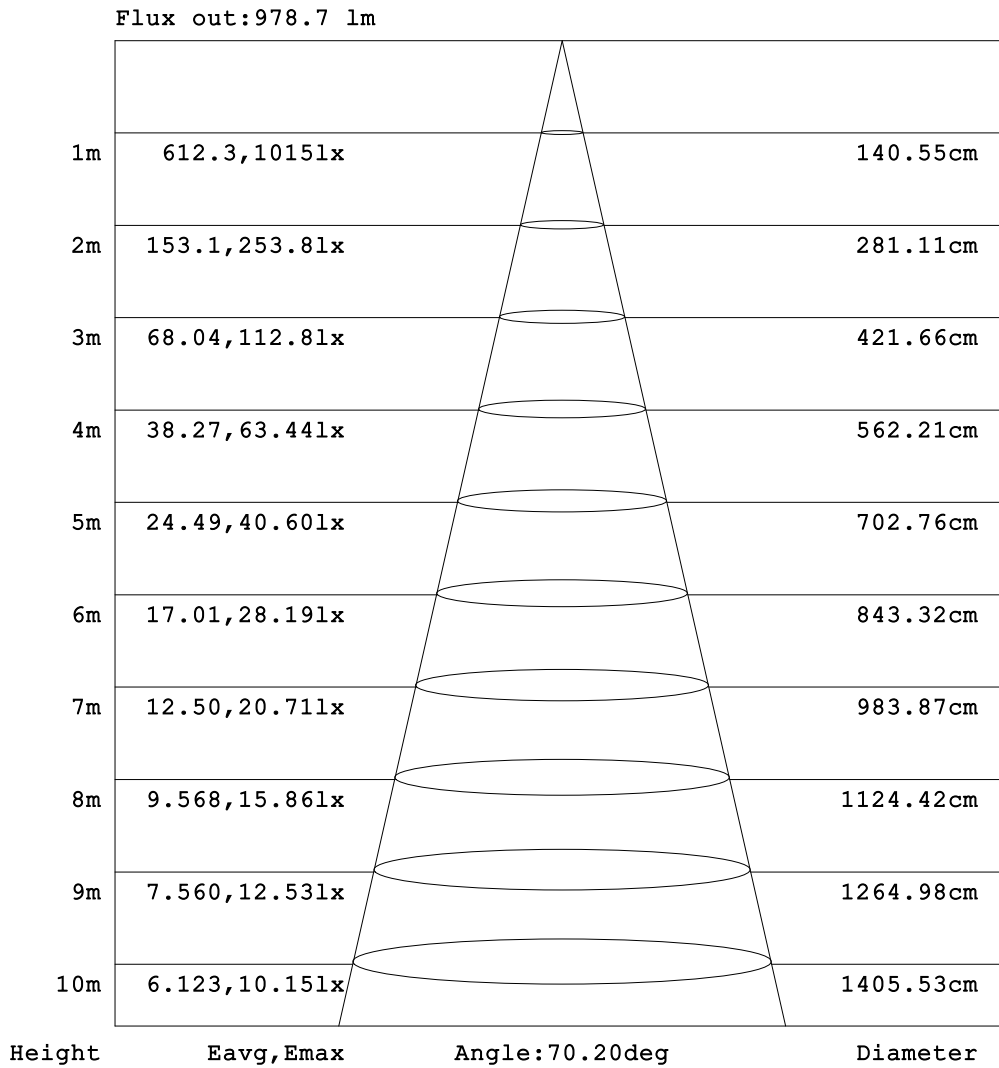
H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270499 6 INC DOWNLIGHT 20W



**AAI Figure**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |



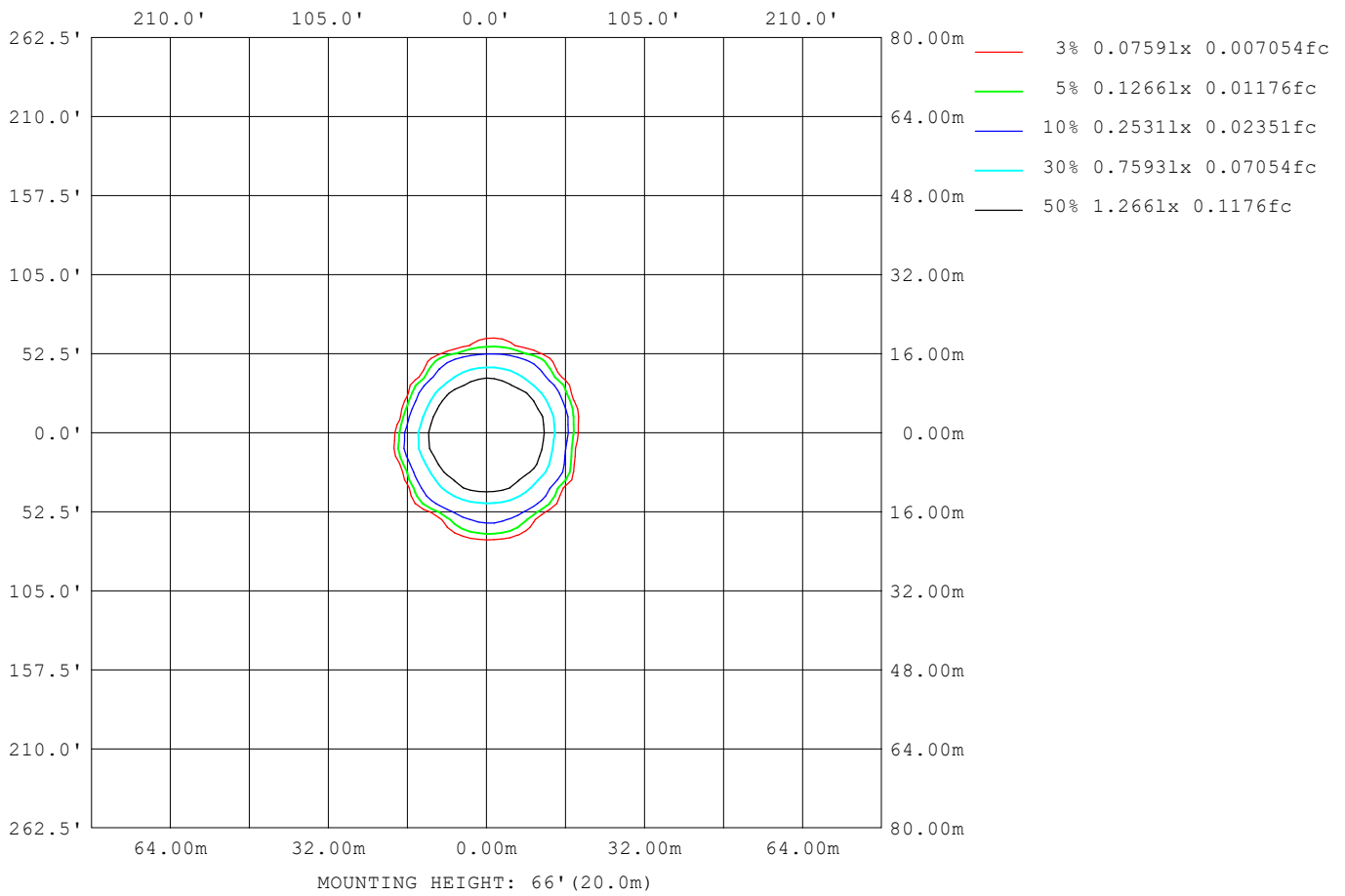
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**ISOLUX DIAGRAM**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**LED Avg.L Report**

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |

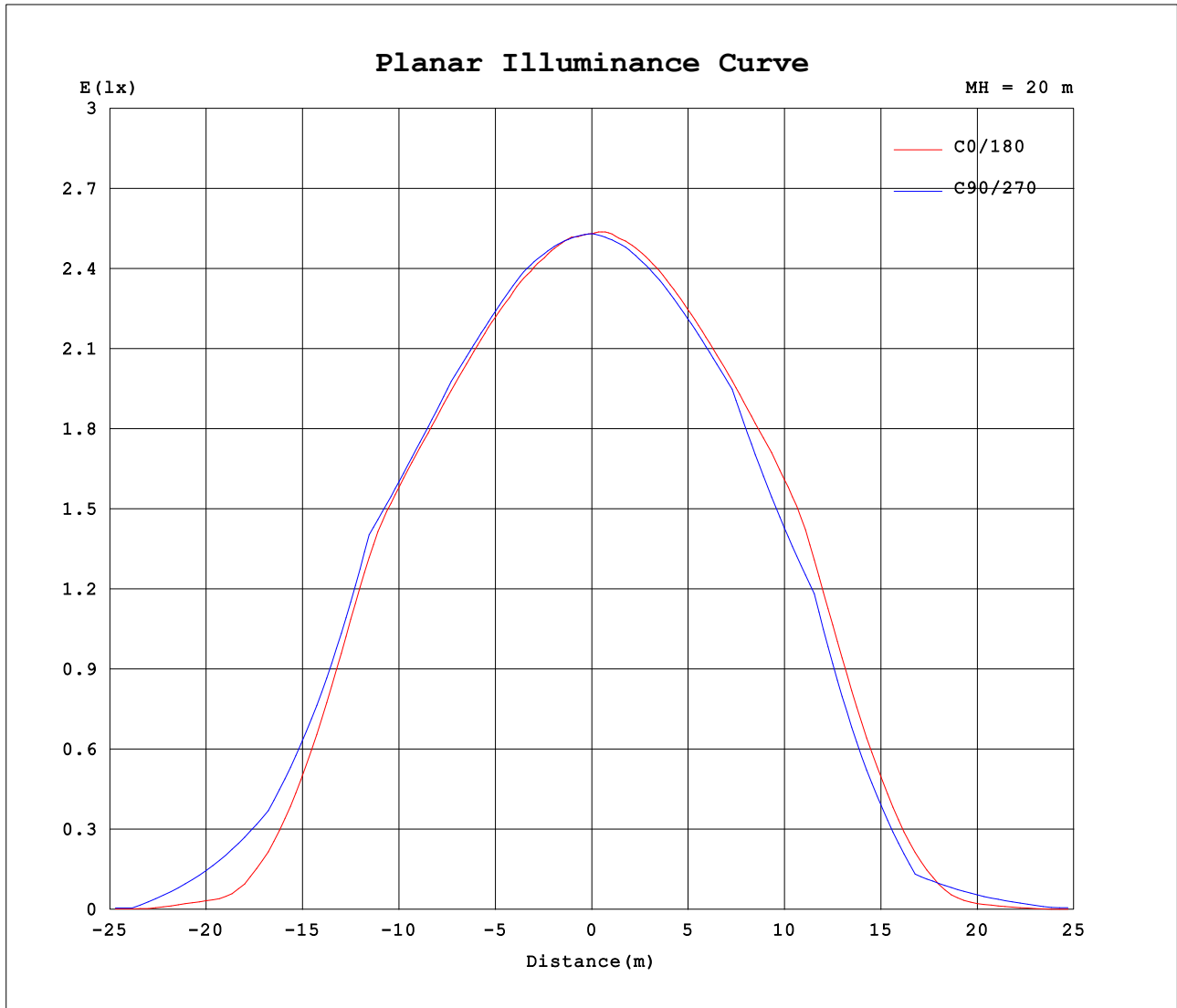
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 11    |
| L_0~180 (75) av  | 3     |
| L_0~180 (85) av  | 4     |
| L_90~270 (65) av | 63    |
| L_90~270 (75) av | 57    |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 50    |
| L_45 (75) av     | 51    |
| L_45 (85) av     | 49    |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

**Planar Illuminance Curve**



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 |
| 5                  | 1006 | 1006 | 1006 | 1005 | 1005 | 1005 | 1005 | 1005 | 1006 | 1006 | 1006 | 1006 | 1006 | 1007 | 1007 | 1008 | 1008 | 1008 | 1008 |
| 10                 | 991  | 990  | 990  | 990  | 991  | 991  | 992  | 992  | 992  | 991  | 992  | 992  | 992  | 993  | 994  | 996  | 997  | 999  | 1001 |
| 15                 | 968  | 968  | 970  | 971  | 972  | 971  | 971  | 970  | 971  | 972  | 973  | 974  | 973  | 974  | 975  | 977  | 977  | 977  | 977  |
| 20                 | 937  | 939  | 941  | 943  | 939  | 935  | 935  | 939  | 944  | 949  | 950  | 950  | 949  | 950  | 951  | 950  | 952  | 953  | 953  |
| 25                 | 899  | 904  | 909  | 905  | 900  | 901  | 907  | 914  | 912  | 913  | 915  | 909  | 908  | 909  | 910  | 910  | 910  | 910  | 910  |
| 30                 | 812  | 836  | 844  | 816  | 828  | 851  | 854  | 853  | 853  | 829  | 820  | 822  | 822  | 832  | 845  | 854  | 860  | 863  | 864  |
| 35                 | 520  | 590  | 576  | 522  | 619  | 650  | 633  | 648  | 656  | 622  | 604  | 620  | 638  | 643  | 638  | 626  | 614  | 603  | 593  |
| 40                 | 192  | 273  | 217  | 243  | 323  | 287  | 334  | 357  | 295  | 284  | 340  | 373  | 368  | 351  | 341  | 335  | 332  | 334  | 330  |
| 45                 | 37.3 | 55.6 | 34.3 | 62.2 | 57.3 | 85.2 | 110  | 43.9 | 82.3 | 134  | 121  | 80.5 | 87.8 | 129  | 157  | 172  | 176  | 174  | 165  |
| 50                 | 4.88 | 9.97 | 5.76 | 12.8 | 13.7 | 14.3 | 6.63 | 16.6 | 17.7 | 12.5 | 17.9 | 24.7 | 40.4 | 47.1 | 42.9 | 33.4 | 21.6 | 13.1 | 9.85 |
| 55                 | 1.77 | 2.03 | 2.16 | 1.87 | 2.33 | 1.59 | 2.15 | 2.41 | 1.96 | 5.35 | 5.94 | 2.96 | 1.65 | 1.73 | 2.41 | 4.37 | 5.20 | 5.47 | 5.26 |
| 60                 | 0.90 | 0.90 | 0.94 | 0.99 | 0.81 | 0.95 | 0.84 | 1.03 | 1.00 | 0.82 | 0.95 | 1.10 | 1.12 | 1.08 | 1.15 | 1.35 | 1.17 | 0.98 | 0.91 |
| 65                 | 0.23 | 0.24 | 0.50 | 0.35 | 0.64 | 0.66 | 0.58 | 0.75 | 0.54 | 0.62 | 0.82 | 0.75 | 0.65 | 0.61 | 0.59 | 0.58 | 0.57 | 0.58 | 0.58 |
| 70                 | 0.11 | 0.12 | 0.12 | 0.11 | 0.11 | 0.15 | 0.21 | 0.31 | 0.16 | 0.32 | 0.52 | 0.42 | 0.35 | 0.31 | 0.28 | 0.26 | 0.24 | 0.23 | 0.23 |
| 75                 | 0.08 | 0.09 | 0.08 | 0.09 | 0.11 | 0.14 | 0.16 | 0.17 | 0.18 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.23 |
| 80                 | 0.06 | 0.06 | 0.08 | 0.13 | 0.17 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 |
| 85                 | 0.05 | 0.07 | 0.19 | 0.22 | 0.21 | 0.20 | 0.19 | 0.15 | 0.10 | 0.08 | 0.06 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| 90                 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 |
| 5                  | 1008 | 1008 | 1008 | 1007 | 1007 | 1007 | 1008 | 1007 | 1007 | 1007 | 1007 | 1008 | 1009 | 1009 | 1010 | 1011 | 1012 | 1013 | 1011 |
| 10                 | 1001 | 1000 | 1000 | 1000 | 1000 | 999  | 997  | 996  | 996  | 994  | 993  | 992  | 993  | 993  | 995  | 997  | 999  | 1001 | 998  |
| 15                 | 976  | 976  | 975  | 976  | 975  | 976  | 976  | 979  | 982  | 983  | 979  | 976  | 973  | 969  | 970  | 973  | 976  | 980  | 974  |
| 20                 | 954  | 954  | 953  | 952  | 951  | 949  | 947  | 944  | 943  | 945  | 950  | 955  | 953  | 946  | 940  | 942  | 948  | 954  | 945  |
| 25                 | 907  | 905  | 902  | 896  | 892  | 895  | 904  | 917  | 910  | 900  | 886  | 887  | 905  | 916  | 904  | 895  | 906  | 920  | 889  |
| 30                 | 865  | 861  | 855  | 837  | 811  | 786  | 760  | 759  | 780  | 818  | 782  | 737  | 738  | 807  | 805  | 728  | 745  | 806  | 701  |
| 35                 | 585  | 585  | 583  | 586  | 597  | 610  | 621  | 565  | 510  | 479  | 506  | 513  | 447  | 461  | 565  | 459  | 425  | 510  | 373  |
| 40                 | 318  | 311  | 299  | 288  | 278  | 269  | 273  | 293  | 293  | 240  | 176  | 189  | 196  | 141  | 202  | 196  | 117  | 190  | 90.6 |
| 45                 | 155  | 145  | 129  | 111  | 85.3 | 55.2 | 51.5 | 73.6 | 66.0 | 61.7 | 41.0 | 26.0 | 25.1 | 23.9 | 19.7 | 34.8 | 15.9 | 25.1 | 11.5 |
| 50                 | 12.2 | 17.8 | 23.0 | 23.7 | 18.0 | 11.8 | 11.0 | 8.92 | 5.16 | 6.82 | 7.24 | 6.83 | 3.10 | 3.42 | 2.71 | 4.74 | 2.48 | 3.21 | 2.21 |
| 55                 | 4.68 | 3.80 | 2.73 | 1.85 | 1.64 | 1.62 | 1.98 | 1.70 | 1.36 | 1.46 | 1.41 | 1.30 | 1.56 | 1.19 | 1.33 | 1.16 | 1.19 | 1.36 | 1.08 |
| 60                 | 0.99 | 1.10 | 1.09 | 1.03 | 1.07 | 1.06 | 0.97 | 0.93 | 0.85 | 0.85 | 0.82 | 0.81 | 0.79 | 0.85 | 0.75 | 0.73 | 0.75 | 0.73 | 0.78 |
| 65                 | 0.58 | 0.59 | 0.60 | 0.62 | 0.67 | 0.71 | 0.81 | 0.87 | 0.58 | 0.51 | 0.71 | 0.64 | 0.59 | 0.56 | 0.72 | 0.67 | 0.66 | 0.69 | 0.72 |
| 70                 | 0.24 | 0.25 | 0.27 | 0.29 | 0.33 | 0.38 | 0.48 | 0.50 | 0.26 | 0.16 | 0.29 | 0.17 | 0.11 | 0.09 | 0.08 | 0.07 | 0.10 | 0.08 | 0.16 |
| 75                 | 0.23 | 0.23 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.18 | 0.16 | 0.13 | 0.10 | 0.07 | 0.06 | 0.06 | 0.05 | 0.18 |
| 80                 | 0.22 | 0.23 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.04 | 0.29 |
| 85                 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.05 | 0.06 | 0.09 | 0.12 | 0.16 | 0.23 | 0.24 | 0.25 | 0.25 | 0.18 | 0.05 | 0.03 | 0.67 |
| 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 | 0.03 | 0.00 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | 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                 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 |
| 5                 | 1010 | 1008 | 1007 | 1006 | 1005 | 1004 | 1003 | 1003 | 1003 | 1002 | 1001 | 1000 | 1000 | 1000 | 1000 | 1002 | 1004 | 1003 | 1002 |
| 10                | 994  | 991  | 988  | 985  | 984  | 984  | 985  | 985  | 987  | 988  | 988  | 987  | 985  | 987  | 990  | 989  | 987  | 987  | 985  |
| 15                | 969  | 964  | 961  | 963  | 966  | 967  | 968  | 965  | 963  | 961  | 961  | 961  | 961  | 962  | 961  | 960  | 964  | 964  | 964  |
| 20                | 936  | 931  | 934  | 938  | 939  | 930  | 928  | 926  | 928  | 931  | 933  | 934  | 937  | 938  | 938  | 939  | 939  | 937  | 938  |
| 25                | 865  | 880  | 896  | 874  | 840  | 827  | 853  | 881  | 898  | 867  | 837  | 819  | 813  | 814  | 819  | 823  | 830  | 836  | 839  |
| 30                | 647  | 702  | 700  | 626  | 622  | 676  | 710  | 662  | 626  | 613  | 627  | 644  | 667  | 690  | 708  | 721  | 728  | 729  | 725  |
| 35                | 352  | 412  | 323  | 310  | 377  | 370  | 325  | 325  | 351  | 380  | 396  | 401  | 400  | 398  | 400  | 406  | 417  | 431  | 445  |
| 40                | 103  | 104  | 70.7 | 103  | 108  | 92.4 | 97.2 | 108  | 132  | 140  | 148  | 146  | 133  | 120  | 113  | 113  | 118  | 127  | 142  |
| 45                | 19.5 | 11.6 | 17.6 | 18.3 | 16.5 | 22.0 | 23.7 | 22.2 | 28.6 | 29.5 | 27.3 | 31.1 | 33.9 | 39.1 | 45.7 | 54.3 | 62.1 | 67.4 | 69.9 |
| 50                | 2.82 | 3.21 | 4.15 | 4.67 | 6.25 | 6.37 | 7.89 | 8.32 | 9.16 | 10.5 | 12.3 | 14.2 | 14.8 | 14.5 | 13.8 | 12.8 | 12.2 | 13.4 | 16.7 |
| 55                | 1.27 | 1.92 | 2.18 | 3.11 | 3.33 | 4.21 | 4.74 | 5.15 | 5.92 | 6.42 | 6.85 | 7.29 | 7.76 | 8.17 | 8.52 | 8.84 | 9.11 | 9.32 | 9.46 |
| 60                | 1.00 | 1.35 | 1.94 | 2.27 | 2.84 | 3.13 | 3.73 | 4.19 | 4.35 | 4.53 | 5.03 | 5.42 | 5.71 | 5.88 | 6.02 | 6.12 | 6.18 | 6.30 | 6.46 |
| 65                | 0.99 | 1.36 | 1.43 | 1.99 | 2.21 | 2.88 | 2.97 | 3.09 | 3.29 | 3.54 | 3.95 | 4.12 | 4.29 | 4.39 | 4.49 | 4.61 | 4.72 | 4.80 | 4.88 |
| 70                | 0.45 | 0.83 | 1.24 | 1.69 | 1.90 | 2.16 | 2.41 | 2.54 | 2.65 | 2.80 | 2.97 | 3.11 | 3.17 | 3.21 | 3.23 | 3.27 | 3.31 | 3.34 | 3.40 |
| 75                | 0.57 | 0.98 | 1.38 | 1.63 | 1.85 | 1.97 | 2.13 | 2.26 | 2.33 | 2.38 | 2.44 | 2.48 | 2.52 | 2.57 | 2.61 | 2.65 | 2.70 | 2.72 | 2.76 |
| 80                | 0.80 | 1.21 | 1.49 | 1.67 | 1.83 | 1.87 | 1.89 | 1.93 | 1.96 | 1.99 | 2.02 | 2.04 | 2.05 | 2.06 | 2.08 | 2.10 | 2.12 | 2.13 | 2.15 |
| 85                | 1.24 | 1.50 | 1.55 | 1.62 | 1.63 | 1.25 | 0.96 | 0.73 | 0.55 | 0.41 | 0.30 | 0.20 | 0.13 | 0.07 | 0.03 | 0.01 | 0.00 | 0.01 | 0.03 |
| 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:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270499 6 INC DOWNLIGHT 20W

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                      |                        |                  |
|--------------------------------------|------------------------|------------------|
| NAME: 2406270499 6 INC DOWNLIGHT 20W | TYPE:DOWNLIGHT ARMATUR | WEIGHT:0,430kg   |
| SPEC.:                               | DIM.: 174X85mm         | SERIAL No.:      |
| MFR.: PELSAN                         | SUR.:                  | Shielding Angle: |

Table--4

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0                  | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 | 1012 |  |  |  |  |
| 5                  | 1002 | 1001 | 1001 | 1001 | 1001 | 1001 | 1001 | 1002 | 1002 | 1002 | 1003 | 1003 | 1004 | 1005 | 1005 |  |  |  |  |
| 10                 | 984  | 984  | 984  | 984  | 985  | 985  | 985  | 986  | 987  | 988  | 987  | 988  | 988  | 989  | 990  |  |  |  |  |
| 15                 | 962  | 963  | 963  | 963  | 964  | 965  | 965  | 964  | 965  | 965  | 967  | 969  | 969  | 968  | 968  |  |  |  |  |
| 20                 | 936  | 937  | 937  | 937  | 938  | 940  | 941  | 938  | 938  | 937  | 938  | 941  | 944  | 942  | 940  |  |  |  |  |
| 25                 | 843  | 848  | 855  | 867  | 883  | 901  | 901  | 903  | 908  | 903  | 900  | 902  | 906  | 910  | 904  |  |  |  |  |
| 30                 | 718  | 712  | 709  | 712  | 728  | 750  | 777  | 794  | 789  | 802  | 821  | 827  | 828  | 852  | 840  |  |  |  |  |
| 35                 | 461  | 476  | 482  | 481  | 469  | 483  | 521  | 552  | 537  | 529  | 584  | 599  | 556  | 603  | 602  |  |  |  |  |
| 40                 | 161  | 186  | 217  | 248  | 265  | 243  | 201  | 222  | 280  | 259  | 220  | 300  | 268  | 257  | 294  |  |  |  |  |
| 45                 | 67.3 | 59.3 | 51.7 | 48.4 | 66.4 | 96.3 | 98.2 | 60.5 | 52.1 | 92.5 | 65.4 | 62.3 | 80.7 | 45.4 | 66.4 |  |  |  |  |
| 50                 | 20.6 | 23.3 | 24.8 | 26.9 | 27.6 | 19.7 | 12.8 | 22.1 | 24.8 | 10.8 | 19.7 | 12.5 | 15.8 | 9.94 | 13.3 |  |  |  |  |
| 55                 | 9.47 | 9.28 | 8.88 | 8.41 | 9.26 | 9.32 | 9.08 | 7.68 | 6.60 | 6.97 | 4.81 | 5.05 | 3.24 | 3.58 | 2.77 |  |  |  |  |
| 60                 | 6.63 | 6.76 | 6.78 | 6.58 | 6.36 | 5.76 | 5.27 | 5.32 | 5.09 | 3.93 | 3.65 | 2.52 | 2.18 | 1.62 | 1.10 |  |  |  |  |
| 65                 | 4.96 | 5.01 | 4.97 | 4.74 | 4.41 | 4.23 | 4.20 | 4.10 | 3.48 | 3.09 | 2.74 | 2.19 | 1.30 | 0.86 | 0.55 |  |  |  |  |
| 70                 | 3.47 | 3.54 | 3.61 | 3.61 | 3.56 | 3.41 | 3.23 | 3.01 | 2.92 | 2.57 | 2.12 | 1.73 | 1.21 | 0.65 | 0.25 |  |  |  |  |
| 75                 | 2.77 | 2.78 | 2.77 | 2.75 | 2.72 | 2.68 | 2.65 | 2.62 | 2.56 | 2.34 | 2.12 | 1.75 | 1.35 | 0.76 | 0.25 |  |  |  |  |
| 80                 | 2.16 | 2.19 | 2.22 | 2.24 | 2.26 | 2.27 | 2.26 | 2.24 | 2.20 | 2.13 | 2.05 | 1.89 | 1.60 | 1.10 | 0.40 |  |  |  |  |
| 85                 | 0.07 | 0.14 | 0.22 | 0.32 | 0.46 | 0.62 | 0.83 | 1.09 | 1.42 | 1.86 | 1.89 | 1.86 | 1.77 | 1.57 | 0.92 |  |  |  |  |
| 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:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
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