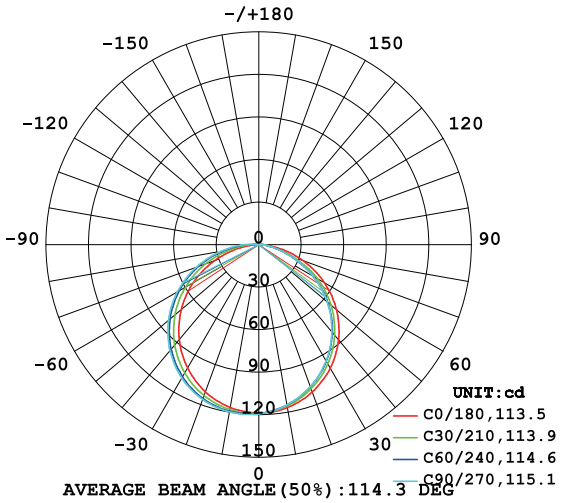
# BUDDY SILICONE (21.AB10.9317.00)

## LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |

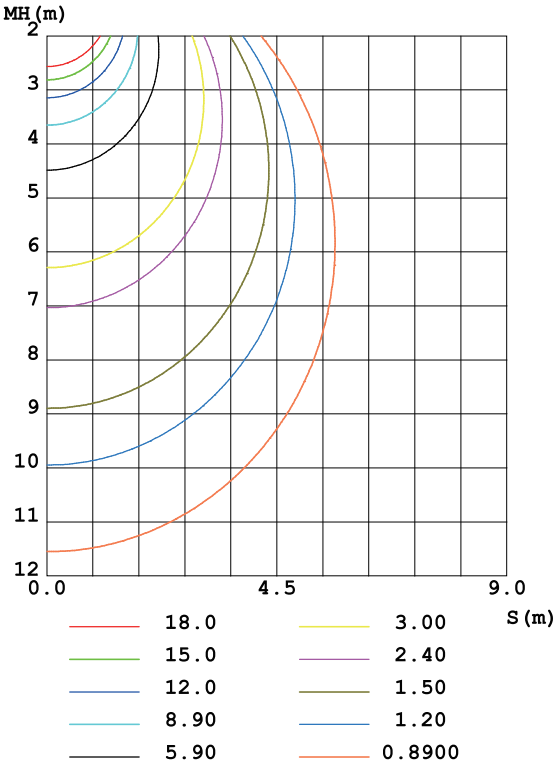
| DATA OF LAMP | | PHOTOMETRIC DATA | | Eff: 59.14 lm/W | |
|---|---|---|---|---|---|
| MODEL | | Imax(cd) | 120.0 | S/MH(C0/180) | 1.26 |
| NOMINAL POWER(W) | 6.00885 | LOR(%) | 100.0 | S/MH(C90/270) | 1.35 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 355.36 | η UP,DN(C0-180) | 0.5,44.5 |
| NOMINAL FLUX(lm) | 355.363 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.6,54.3 |
| LAMPS INSIDE | 1 | η up(%) | 1.2 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 24 | η down(%) | 98.8 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):114.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 116.7 | 115.1 | 114.8 | 115.9 | 116.6 | 118.7 | 119.7 | 119.1 | 0- 10 | 11.28 | 11.28 | 3.17,3.17 |
| 20 | 110.6 | 107.5 | 106.5 | 108.3 | 110.4 | 114.4 | 116.2 | 114.6 | 10- 20 | 32.35 | 43.64 | 12.3,12.3 |
| 30 | 100.7 | 96.30 | 94.82 | 97.16 | 100.4 | 106.0 | 108.7 | 106.2 | 20- 30 | 49.17 | 92.80 | 26.1,26.1 |
| 40 | 87.58 | 81.99 | 80.21 | 82.97 | 87.29 | 94.34 | 97.54 | 94.30 | 30- 40 | 59.57 | 152.4 | 42.9,42.9 |
| 50 | 71.63 | 65.14 | 63.08 | 66.26 | 71.41 | 79.47 | 83.25 | 79.24 | 40- 50 | 62.27 | 214.6 | 60.4,60.4 |
| 60 | 53.33 | 45.46 | 44.00 | 47.45 | 53.16 | 62.05 | 66.23 | 61.63 | 50- 60 | 56.85 | 271.5 | 76.4,76.4 |
| 70 | 33.38 | 25.16 | 24.17 | 27.45 | 33.21 | 42.74 | 47.03 | 42.24 | 60- 70 | 43.94 | 315.4 | 88.8,88.8 |
| 80 | 13.52 | 8.539 | 8.215 | 9.623 | 13.49 | 22.79 | 26.94 | 22.22 | 70- 80 | 26.17 | 341.6 | 96.1,96.1 |
| 90 | 0.8168 | 1.926 | 2.844 | 2.152 | 0.8544 | 6.123 | 9.167 | 5.799 | 80- 90 | 9.648 | 351.3 | 98.8,98.8 |
| 100 | 0.1782 | 0.8413 | 1.945 | 0.8740 | 0.2377 | 0.7865 | 1.116 | 0.7782 | 90-100 | 2.005 | 353.3 | 99.4,99.4 |
| 110 | 0.1781 | 0.3803 | 0.9478 | 0.4534 | 0.2187 | 0.2915 | 0.4206 | 0.3969 | 100-110 | 0.6074 | 353.9 | 99.6,99.6 |
| 120 | 0.1943 | 0.3117 | 0.6076 | 0.3481 | 0.2834 | 0.2530 | 0.3274 | 0.3255 | 110-120 | 0.3664 | 354.2 | 99.7,99.7 |
| 130 | 0.2267 | 0.3562 | 0.4291 | 0.3482 | 0.3241 | 0.2562 | 0.3158 | 0.3068 | 120-130 | 0.2862 | 354.5 | 99.8,99.8 |
| 140 | 0.3073 | 0.3951 | 0.4059 | 0.3886 | 0.3725 | 0.2591 | 0.3564 | 0.3077 | 130-140 | 0.2590 | 354.8 | 99.8,99.8 |
| 150 | 0.3465 | 0.4210 | 0.4127 | 0.4178 | 0.4145 | 0.3427 | 0.4081 | 0.3567 | 140-150 | 0.2345 | 355.0 | 99.9,99.9 |
| 160 | 0.3616 | 0.4534 | 0.4196 | 0.4527 | 0.4399 | 0.3617 | 0.4439 | 0.3710 | 150-160 | 0.1845 | 355.2 | 100,100 |
| 170 | 0.3744 | 0.4582 | 0.4283 | 0.4735 | 0.4650 | 0.3832 | 0.4627 | 0.4217 | 160-170 | 0.1194 | 355.3 | 100,100 |
| 180 | 0.4453 | 0.4453 | 0.4291 | 0.4615 | 0.4615 | 0.4534 | 0.4453 | 0.4453 | 170-180 | 0.0425 | 355.4 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

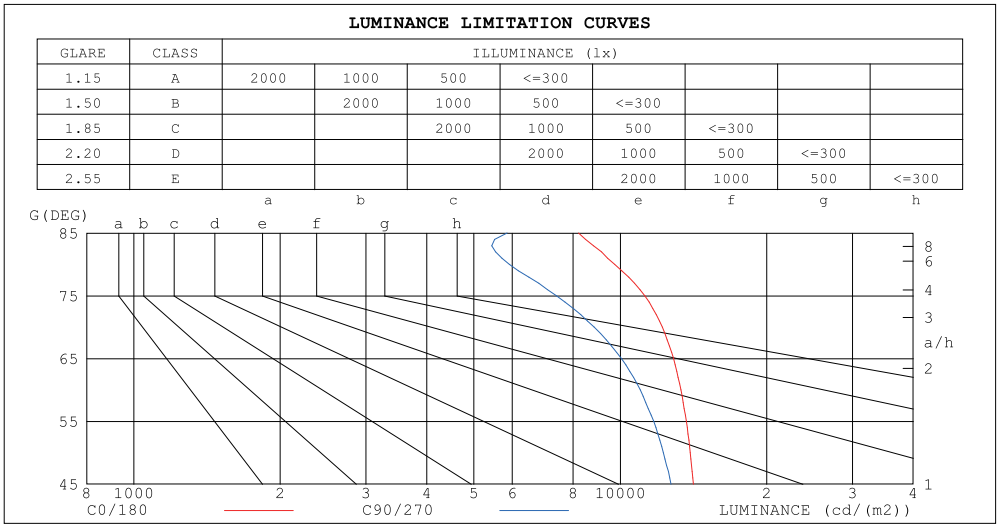
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## LUMINANCE LIMITATION CURVES

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |




| LUMINANCE cd/(m2) | | |
|---|---|---|
| G(DEG) | C0/180 | C90/270 |
| 85 | 8211 | 5850 |
| 80 | 9736 | 5913 |
| 75 | 11227 | 7392 |
| 70 | 12199 | 8834 |
| 65 | 12869 | 10058 |
| 60 | 13332 | 11000 |
| 55 | 13683 | 11715 |
| 50 | 13929 | 12266 |
| 45 | 14127 | 12716 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## WEC AND CCEC

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .321 | .183 | .058 | .314 | .179 | .057 | .300 | .172 | .055 | .287 | .165 | .053 | .275 | .159 | .051 | |
| 2.0 | .298 | .163 | .050 | .292 | .161 | .050 | .279 | .155 | .048 | .268 | .150 | .047 | .257 | .146 | .046 | |
| 3.0 | .274 | .146 | .044 | .269 | .144 | .043 | .258 | .140 | .042 | .247 | .136 | .042 | .238 | .132 | .041 | |
| 4.0 | .252 | .131 | .039 | .247 | .129 | .038 | .237 | .126 | .038 | .228 | .123 | .037 | .220 | .120 | .036 | |
| 5.0 | .233 | .119 | .034 | .228 | .117 | .034 | .219 | .114 | .034 | .211 | .112 | .033 | .204 | .109 | .033 | |
| 6.0 | .215 | .108 | .031 | .211 | .107 | .031 | .204 | .104 | .030 | .196 | .102 | .030 | .190 | .100 | .030 | |
| 7.0 | .200 | .099 | .028 | .197 | .098 | .028 | .190 | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 | |
| 8.0 | .187 | .091 | .026 | .184 | .090 | .026 | .177 | .089 | .025 | .172 | .087 | .025 | .166 | .085 | .025 | |
| 9.0 | .175 | .085 | .024 | .172 | .084 | .024 | .166 | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 | |
| 10.0 | .164 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .152 | .075 | .021 | .147 | .074 | .021 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .199 | .199 | .199 | .170 | .170 | .170 | .116 | .116 | .116 | .067 | .067 | .067 | .021 | .021 | .021 | |
| 1.0 | .190 | .165 | .142 | .163 | .142 | .123 | .111 | .097 | .085 | .064 | .056 | .049 | .020 | .018 | .016 | |
| 2.0 | .182 | .141 | .106 | .156 | .121 | .092 | .107 | .084 | .064 | .062 | .049 | .038 | .020 | .016 | .012 | |
| 3.0 | .174 | .123 | .083 | .149 | .106 | .072 | .103 | .074 | .050 | .059 | .043 | .030 | .019 | .014 | .010 | |
| 4.0 | .167 | .110 | .067 | .143 | .095 | .058 | .098 | .066 | .041 | .057 | .039 | .024 | .018 | .013 | .008 | |
| 5.0 | .159 | .100 | .056 | .137 | .086 | .049 | .094 | .060 | .034 | .055 | .035 | .020 | .018 | .012 | .007 | |
| 6.0 | .152 | .091 | .048 | .131 | .079 | .042 | .090 | .055 | .030 | .052 | .033 | .018 | .017 | .011 | .006 | |
| 7.0 | .145 | .085 | .042 | .125 | .073 | .037 | .086 | .051 | .026 | .050 | .030 | .015 | .016 | .010 | .005 | |
| 8.0 | .139 | .079 | .038 | .119 | .068 | .033 | .083 | .048 | .023 | .048 | .028 | .014 | .016 | .009 | .005 | |
| 9.0 | .132 | .074 | .034 | .114 | .064 | .030 | .079 | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 | |
| 10.0 | .127 | .070 | .031 | .109 | .060 | .027 | .076 | .042 | .020 | .044 | .025 | .012 | .014 | .008 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## UGR(Unified Glare Rating) Table

| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
|---|---|---|
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | 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 | 25.1 | 26.6 | 25.4 | 26.8 | 27.0 | 24.4 | 25.9 | 24.6 | 26.1 | 26.3 |
| | 3H | 26.6 | 28.0 | 26.9 | 28.2 | 28.5 | 25.5 | 26.9 | 25.9 | 27.2 | 27.5 |
| | 4H | 27.2 | 28.5 | 27.5 | 28.8 | 29.1 | 25.9 | 27.3 | 26.3 | 27.5 | 27.8 |
| | 6H | 27.5 | 28.8 | 27.9 | 29.1 | 29.4 | 26.2 | 27.4 | 26.5 | 27.7 | 28.0 |
| | 8H | 27.7 | 28.9 | 28.0 | 29.2 | 29.5 | 26.2 | 27.4 | 26.6 | 27.7 | 28.0 |
| | 12H | 27.7 | 28.9 | 28.1 | 29.2 | 29.5 | 26.2 | 27.4 | 26.6 | 27.7 | 28.1 |
| 4H | 2H | 25.5 | 26.8 | 25.8 | 27.1 | 27.4 | 24.9 | 26.2 | 25.2 | 26.5 | 26.8 |
| | 3H | 27.1 | 28.3 | 27.5 | 28.6 | 28.9 | 26.2 | 27.4 | 26.6 | 27.7 | 28.1 |
| | 4H | 27.8 | 28.9 | 28.2 | 29.2 | 29.6 | 26.7 | 27.8 | 27.1 | 28.1 | 28.5 |
| | 6H | 28.2 | 29.2 | 28.7 | 29.6 | 30.0 | 27.0 | 28.0 | 27.5 | 28.4 | 28.8 |
| | 8H | 28.4 | 29.3 | 28.8 | 29.7 | 30.1 | 27.1 | 28.0 | 27.6 | 28.4 | 28.8 |
| | 12H | 28.5 | 29.3 | 28.9 | 29.7 | 30.2 | 27.2 | 28.0 | 27.7 | 28.4 | 28.9 |
| 8H | 4H | 27.9 | 28.8 | 28.3 | 29.2 | 29.6 | 26.9 | 27.8 | 27.3 | 28.2 | 28.6 |
| | 6H | 28.4 | 29.2 | 28.9 | 29.6 | 30.0 | 27.3 | 28.1 | 27.8 | 28.5 | 28.9 |
| | 8H | 28.6 | 29.3 | 29.1 | 29.7 | 30.2 | 27.5 | 28.1 | 28.0 | 28.6 | 29.1 |
| | 12H | 28.8 | 29.3 | 29.3 | 29.8 | 30.3 | 27.6 | 28.2 | 28.1 | 28.7 | 29.2 |
| 12H | 4H | 27.9 | 28.7 | 28.3 | 29.1 | 29.5 | 26.9 | 27.7 | 27.4 | 28.1 | 28.6 |
| | 6H | 28.4 | 29.1 | 28.9 | 29.5 | 30.0 | 27.4 | 28.0 | 27.8 | 28.5 | 28.9 |
| | 8H | 28.6 | 29.2 | 29.1 | 29.7 | 30.2 | 27.5 | 28.1 | 28.0 | 28.6 | 29.1 |

| Variations with the observer position at spacings: | | |
|---|---|---|
| S = 1.0H | + 0.2 / - 0.2 | + 0.2 / - 0.3 |
| 1.5H | + 0.2 / - 0.2 | + 0.2 / - 0.4 |
| 2.0H | + 0.3 / - 0.4 | + 0.3 / - 0.3 |

CIE Pub.117, 355.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.6)
Area: 0.008 m2

---

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## UTILIZATION FACTORS TABLE

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | 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 | 56 | 45 | 38 | 56 | 44 | 38 | 54 | 44 | 37 | 31 |
| 0.80 | 66 | 55 | 47 | 65 | 54 | 47 | 64 | 53 | 47 | 40 |
| 1.00 | 75 | 63 | 56 | 74 | 63 | 56 | 71 | 64 | 55 | 48 |
| 1.25 | 82 | 71 | 64 | 80 | 70 | 63 | 78 | 69 | 63 | 55 |
| 1.50 | 87 | 77 | 70 | 85 | 76 | 69 | 82 | 74 | 68 | 60 |
| 2.00 | 94 | 85 | 78 | 92 | 84 | 78 | 88 | 81 | 76 | 68 |
| 2.50 | 98 | 90 | 83 | 96 | 88 | 83 | 92 | 86 | 81 | 72 |
| 3.00 | 101 | 94 | 88 | 99 | 92 | 87 | 95 | 89 | 85 | 76 |
| 4.00 | 105 | 99 | 94 | 103 | 98 | 93 | 98 | 94 | 90 | 81 |
| 5.00 | 108 | 103 | 98 | 105 | 101 | 97 | 101 | 97 | 94 | 84 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

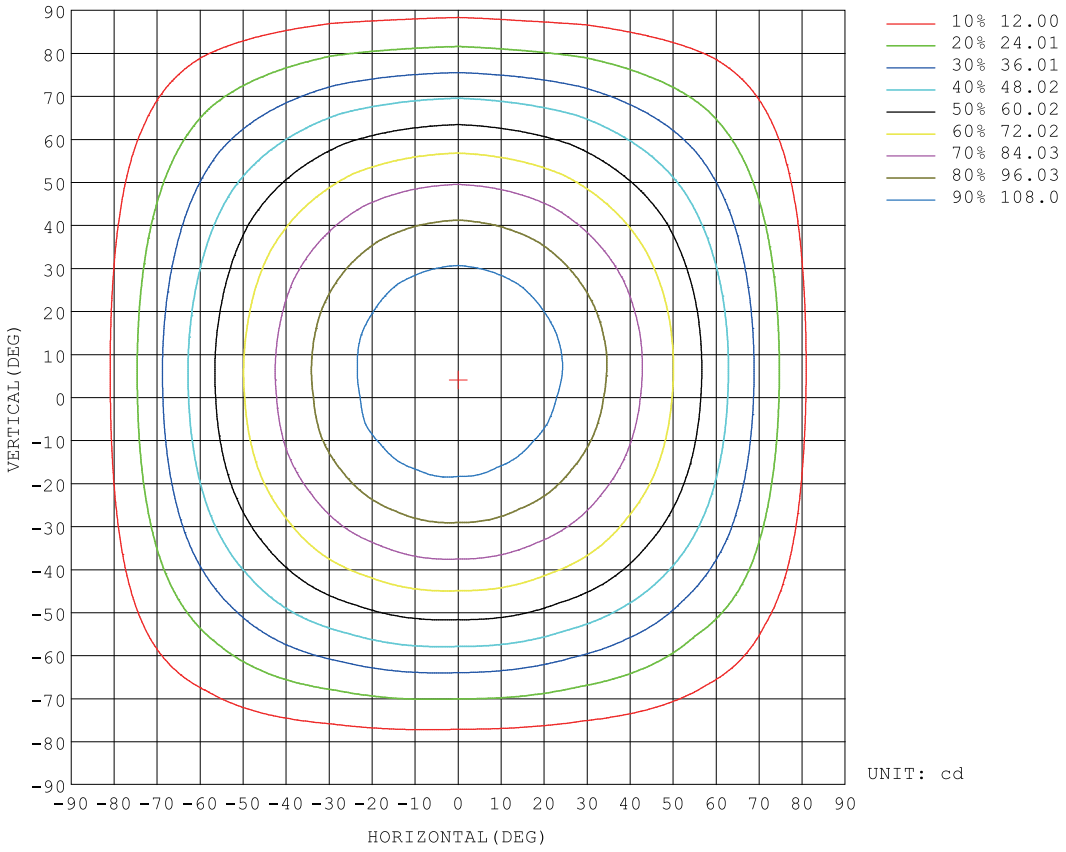
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |



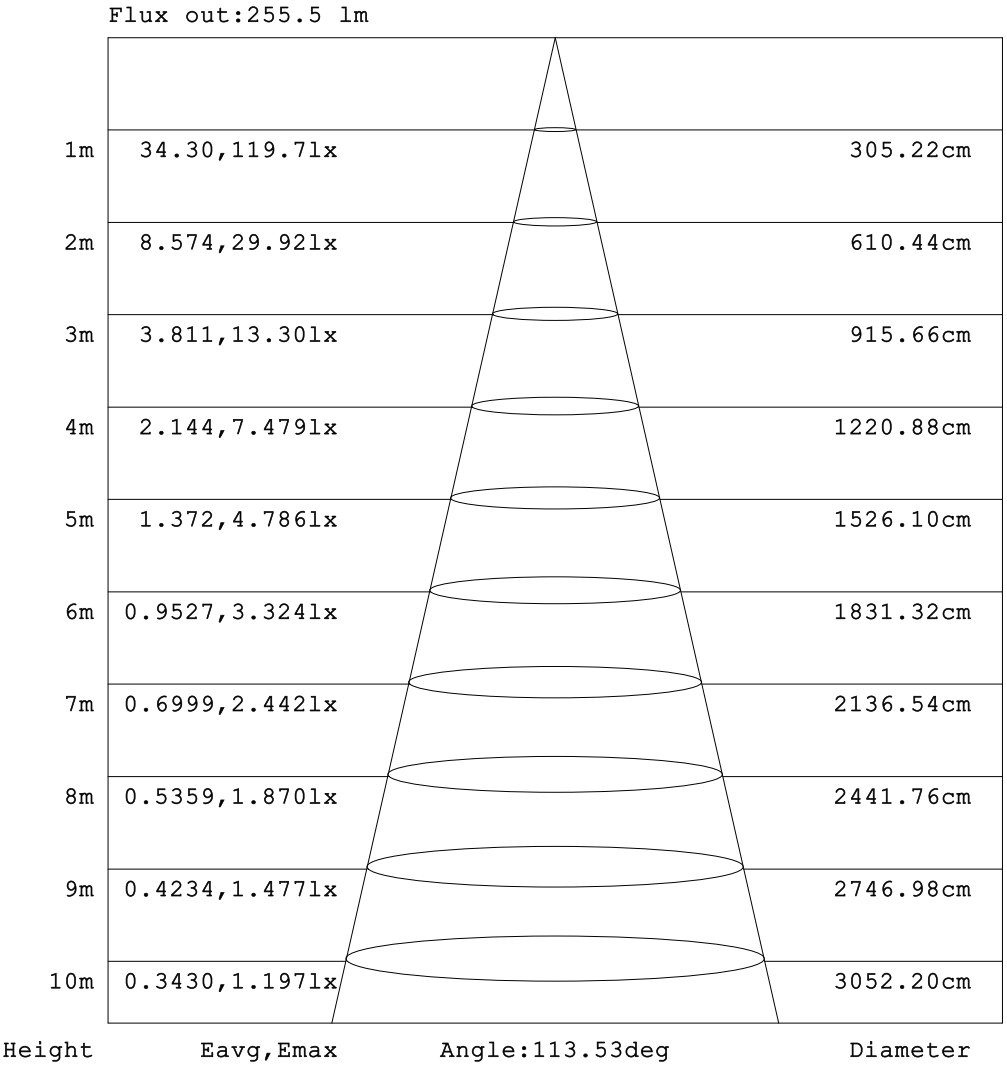

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## AAI Figure

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |



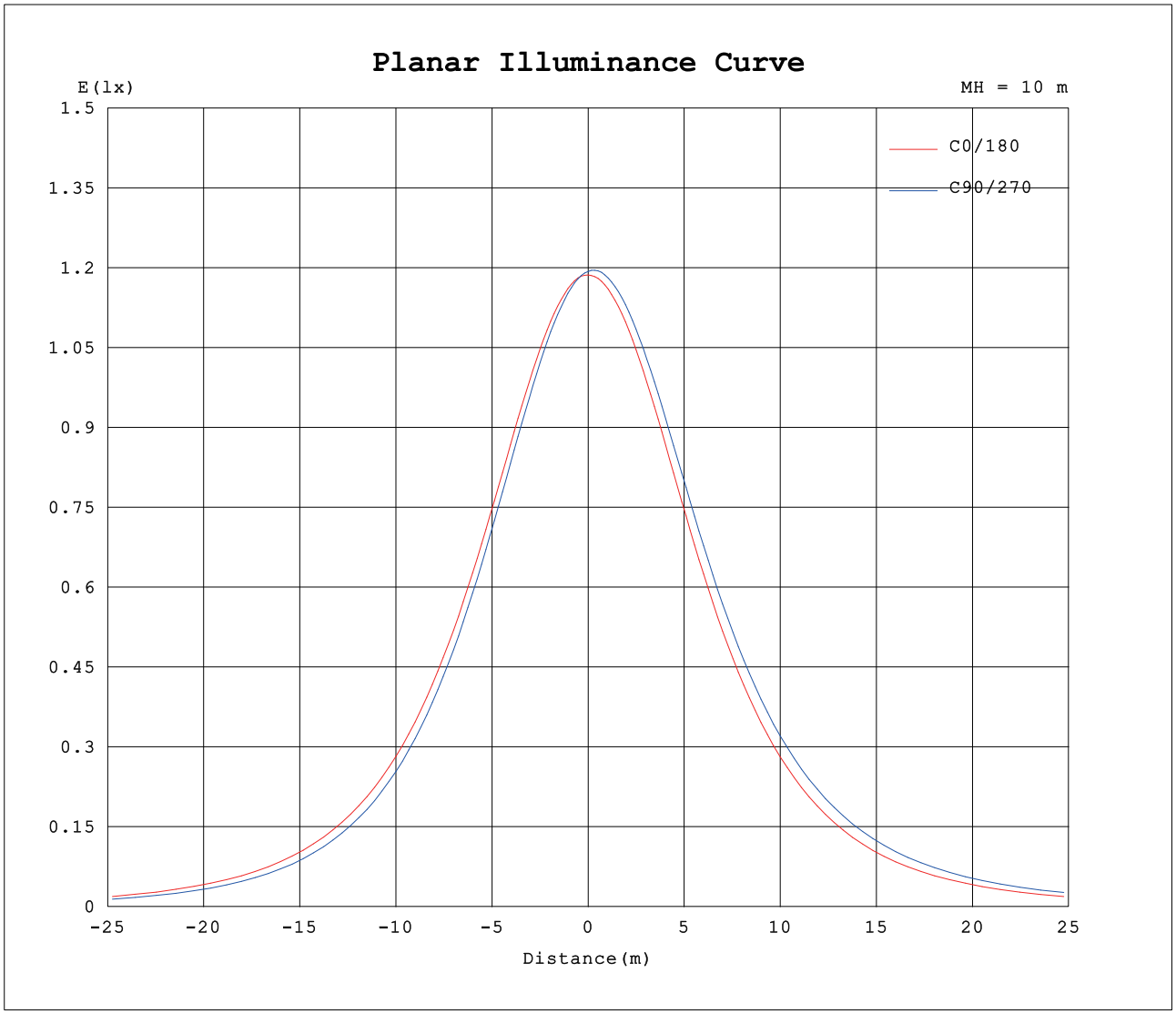

**Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.**

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

BUDDY SILICONE (**21.AB10.9317.00**)

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |

Table--1 UNIT: cd

| C(DEG) / γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 120 | 120 | 120 | 119 | 119 | 119 | 119 | 119 | 119 | 119 |
| 5 | 118 | 118 | 118 | 118 | 117 | 118 | 118 | 118 | 118 | 118 | 118 | 119 | 118 | 119 | 119 | 119 | 120 | 120 | 120 |
| 10 | 117 | 116 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 116 | 116 | 117 | 117 | 117 | 118 | 119 | 119 | 120 | 120 |
| 15 | 114 | 113 | 112 | 112 | 111 | 111 | 111 | 112 | 112 | 113 | 113 | 114 | 114 | 115 | 116 | 117 | 118 | 118 | 118 |
| 20 | 111 | 110 | 108 | 107 | 107 | 107 | 106 | 107 | 107 | 108 | 109 | 110 | 110 | 112 | 113 | 114 | 115 | 116 | 116 |
| 25 | 106 | 105 | 103 | 102 | 101 | 101 | 101 | 102 | 102 | 103 | 104 | 105 | 106 | 107 | 109 | 111 | 112 | 113 | 113 |
| 30 | 101 | 99.1 | 97.3 | 96.3 | 95.2 | 95.1 | 94.8 | 95.5 | 95.9 | 97.2 | 98.1 | 99.8 | 100 | 102 | 104 | 106 | 108 | 108 | 109 |
| 35 | 94.5 | 92.7 | 90.6 | 89.5 | 88.3 | 88.1 | 87.8 | 88.6 | 89.0 | 90.4 | 91.5 | 93.3 | 94.2 | 96.4 | 98.7 | 101 | 102 | 103 | 103 |
| 40 | 87.6 | 85.5 | 83.3 | 82.0 | 80.7 | 80.5 | 80.2 | 81.0 | 81.5 | 83.0 | 84.1 | 86.1 | 87.3 | 89.6 | 92.3 | 94.3 | 96.2 | 97.1 | 97.5 |
| 45 | 79.9 | 77.7 | 75.3 | 73.9 | 72.5 | 72.3 | 71.9 | 72.7 | 73.3 | 74.9 | 76.1 | 78.2 | 79.7 | 82.1 | 85.1 | 87.3 | 89.3 | 90.2 | 90.7 |
| 50 | 71.6 | 69.3 | 66.6 | 65.1 | 63.6 | 63.4 | 63.1 | 64.0 | 64.5 | 66.3 | 67.5 | 69.8 | 71.4 | 74.0 | 77.2 | 79.5 | 81.7 | 82.6 | 83.3 |
| 55 | 62.8 | 60.2 | 57.5 | 55.8 | 54.2 | 54.1 | 53.8 | 54.7 | 55.3 | 57.1 | 58.5 | 60.8 | 62.6 | 65.3 | 68.7 | 71.1 | 73.5 | 74.4 | 75.1 |
| 60 | 53.3 | 50.8 | 47.8 | 45.5 | 44.0 | 44.0 | 44.0 | 45.0 | 45.6 | 47.5 | 48.8 | 51.3 | 53.2 | 56.0 | 59.6 | 62.0 | 64.6 | 65.5 | 66.2 |
| 65 | 43.5 | 40.8 | 37.0 | 35.0 | 33.8 | 34.0 | 34.0 | 35.0 | 35.6 | 37.5 | 38.9 | 41.3 | 43.3 | 46.3 | 50.1 | 52.6 | 55.3 | 56.2 | 56.9 |
| 70 | 33.4 | 30.6 | 26.2 | 25.2 | 24.2 | 24.3 | 24.2 | 25.2 | 25.7 | 27.4 | 28.8 | 31.2 | 33.2 | 36.3 | 40.1 | 42.7 | 45.4 | 46.3 | 47.0 |
| 75 | 23.2 | 19.9 | 16.8 | 16.3 | 15.3 | 15.5 | 15.3 | 16.1 | 16.4 | 17.9 | 18.8 | 21.2 | 23.1 | 26.2 | 30.1 | 32.8 | 35.4 | 36.3 | 37.0 |
| 80 | 13.5 | 10.1 | 8.90 | 8.54 | 8.05 | 8.22 | 8.21 | 8.68 | 8.84 | 9.62 | 10.1 | 11.8 | 13.5 | 16.4 | 20.2 | 22.8 | 25.4 | 26.3 | 26.9 |
| 85 | 5.72 | 3.79 | 3.35 | 3.60 | 3.72 | 4.05 | 4.08 | 4.25 | 4.14 | 4.19 | 3.98 | 4.49 | 5.59 | 7.91 | 11.1 | 13.5 | 15.9 | 16.9 | 17.5 |
| 90 | 0.82 | 0.88 | 1.40 | 1.93 | 2.49 | 2.72 | 2.84 | 2.72 | 2.56 | 2.15 | 1.70 | 1.19 | 0.85 | 2.09 | 4.26 | 6.12 | 7.96 | 8.73 | 9.17 |
| 95 | 0.19 | 0.43 | 0.80 | 1.12 | 1.84 | 2.16 | 2.45 | 2.07 | 1.85 | 1.37 | 0.96 | 0.51 | 0.33 | 0.41 | 1.00 | 1.93 | 3.07 | 2.84 | 3.01 |
| 100 | 0.18 | 0.34 | 0.47 | 0.84 | 1.43 | 1.77 | 1.94 | 1.51 | 1.30 | 0.87 | 0.58 | 0.27 | 0.24 | 0.23 | 0.35 | 0.79 | 0.96 | 0.88 | 1.12 |
| 105 | 0.18 | 0.26 | 0.32 | 0.49 | 0.87 | 1.09 | 1.23 | 1.04 | 0.92 | 0.60 | 0.45 | 0.24 | 0.21 | 0.22 | 0.29 | 0.39 | 0.44 | 0.54 | 0.61 |
| 110 | 0.18 | 0.24 | 0.29 | 0.38 | 0.72 | 0.84 | 0.95 | 0.85 | 0.75 | 0.45 | 0.33 | 0.25 | 0.22 | 0.22 | 0.24 | 0.29 | 0.33 | 0.45 | 0.42 |
| 115 | 0.19 | 0.26 | 0.28 | 0.32 | 0.57 | 0.62 | 0.78 | 0.64 | 0.59 | 0.35 | 0.29 | 0.26 | 0.25 | 0.22 | 0.24 | 0.25 | 0.29 | 0.36 | 0.34 |
| 120 | 0.19 | 0.28 | 0.27 | 0.31 | 0.45 | 0.48 | 0.61 | 0.48 | 0.47 | 0.35 | 0.27 | 0.29 | 0.28 | 0.21 | 0.26 | 0.25 | 0.28 | 0.30 | 0.33 |
| 125 | 0.21 | 0.31 | 0.29 | 0.31 | 0.40 | 0.40 | 0.49 | 0.42 | 0.40 | 0.35 | 0.27 | 0.31 | 0.31 | 0.21 | 0.27 | 0.25 | 0.28 | 0.29 | 0.32 |
| 130 | 0.23 | 0.32 | 0.30 | 0.36 | 0.38 | 0.40 | 0.43 | 0.41 | 0.38 | 0.35 | 0.28 | 0.33 | 0.32 | 0.23 | 0.30 | 0.26 | 0.32 | 0.28 | 0.32 |
| 135 | 0.26 | 0.35 | 0.31 | 0.38 | 0.38 | 0.40 | 0.41 | 0.40 | 0.37 | 0.36 | 0.28 | 0.35 | 0.36 | 0.26 | 0.34 | 0.26 | 0.33 | 0.28 | 0.35 |
| 140 | 0.31 | 0.37 | 0.35 | 0.40 | 0.38 | 0.40 | 0.41 | 0.41 | 0.37 | 0.39 | 0.34 | 0.37 | 0.37 | 0.33 | 0.36 | 0.26 | 0.35 | 0.29 | 0.36 |
| 145 | 0.34 | 0.39 | 0.35 | 0.41 | 0.38 | 0.41 | 0.41 | 0.42 | 0.37 | 0.41 | 0.36 | 0.39 | 0.39 | 0.35 | 0.39 | 0.31 | 0.38 | 0.34 | 0.40 |
| 150 | 0.35 | 0.41 | 0.35 | 0.42 | 0.38 | 0.43 | 0.41 | 0.43 | 0.37 | 0.42 | 0.36 | 0.42 | 0.41 | 0.35 | 0.41 | 0.34 | 0.40 | 0.35 | 0.41 |
| 155 | 0.35 | 0.41 | 0.35 | 0.44 | 0.38 | 0.44 | 0.42 | 0.44 | 0.37 | 0.44 | 0.36 | 0.43 | 0.42 | 0.36 | 0.43 | 0.35 | 0.41 | 0.36 | 0.43 |
| 160 | 0.36 | 0.42 | 0.36 | 0.45 | 0.39 | 0.45 | 0.42 | 0.45 | 0.37 | 0.45 | 0.36 | 0.44 | 0.44 | 0.36 | 0.44 | 0.36 | 0.44 | 0.36 | 0.44 |
| 165 | 0.37 | 0.45 | 0.39 | 0.46 | 0.40 | 0.45 | 0.43 | 0.45 | 0.41 | 0.46 | 0.38 | 0.45 | 0.45 | 0.37 | 0.45 | 0.37 | 0.46 | 0.37 | 0.45 |
| 170 | 0.37 | 0.46 | 0.45 | 0.46 | 0.42 | 0.45 | 0.43 | 0.45 | 0.43 | 0.47 | 0.43 | 0.45 | 0.46 | 0.41 | 0.46 | 0.38 | 0.47 | 0.41 | 0.46 |
| 175 | 0.38 | 0.47 | 0.45 | 0.46 | 0.43 | 0.45 | 0.43 | 0.45 | 0.44 | 0.48 | 0.43 | 0.45 | 0.46 | 0.45 | 0.47 | 0.44 | 0.49 | 0.45 | 0.47 |
| 180 | 0.45 | 0.47 | 0.45 | 0.45 | 0.45 | 0.45 | 0.43 | 0.46 | 0.46 | 0.46 | 0.44 | 0.46 | 0.46 | 0.46 | 0.47 | 0.45 | 0.47 | 0.46 | 0.45 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

# BUDDY SILICONE (21.AB10.9317.00)

## LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| NAME: BUDDY SILICONE 6w 3D 21.AB10.9317.00 | TYPE:IES | WEIGHT: |
| SPEC.:6W 8X8MM X5M 3D 24V 2700K IP67, BLT | DIM.: 1M | SERIAL No.:32 |
| MFR.: IDEA ILUMINACIóN S.A. | SUR.:0.008*1 | Shielding Angle: |

Table--2 UNIT: cd

| C(DEG) / γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 119 | 119 | 120 | 120 | 120 | | | | | | | | | | | | | | |
| 5 | 120 | 120 | 120 | 120 | 119 | | | | | | | | | | | | | | |
| 10 | 120 | 119 | 119 | 119 | 118 | | | | | | | | | | | | | | |
| 15 | 118 | 118 | 117 | 117 | 116 | | | | | | | | | | | | | | |
| 20 | 116 | 115 | 115 | 114 | 113 | | | | | | | | | | | | | | |
| 25 | 112 | 112 | 111 | 110 | 108 | | | | | | | | | | | | | | |
| 30 | 108 | 108 | 106 | 105 | 103 | | | | | | | | | | | | | | |
| 35 | 103 | 102 | 101 | 99.1 | 97.2 | | | | | | | | | | | | | | |
| 40 | 97.0 | 96.0 | 94.3 | 92.6 | 90.4 | | | | | | | | | | | | | | |
| 45 | 90.1 | 89.1 | 87.1 | 85.3 | 82.8 | | | | | | | | | | | | | | |
| 50 | 82.4 | 81.5 | 79.2 | 77.3 | 74.6 | | | | | | | | | | | | | | |
| 55 | 74.1 | 73.1 | 70.8 | 68.7 | 65.8 | | | | | | | | | | | | | | |
| 60 | 65.2 | 64.2 | 61.6 | 59.6 | 56.5 | | | | | | | | | | | | | | |
| 65 | 55.9 | 54.8 | 52.2 | 49.9 | 46.7 | | | | | | | | | | | | | | |
| 70 | 46.0 | 44.9 | 42.2 | 39.9 | 36.7 | | | | | | | | | | | | | | |
| 75 | 35.9 | 34.8 | 32.2 | 29.8 | 26.5 | | | | | | | | | | | | | | |
| 80 | 25.9 | 24.8 | 22.2 | 19.9 | 16.6 | | | | | | | | | | | | | | |
| 85 | 16.4 | 15.3 | 13.0 | 10.9 | 8.08 | | | | | | | | | | | | | | |
| 90 | 8.50 | 7.58 | 5.80 | 4.12 | 2.23 | | | | | | | | | | | | | | |
| 95 | 3.26 | 2.79 | 1.72 | 0.96 | 0.61 | | | | | | | | | | | | | | |
| 100 | 1.41 | 1.10 | 0.78 | 0.45 | 0.43 | | | | | | | | | | | | | | |
| 105 | 0.75 | 0.59 | 0.52 | 0.33 | 0.28 | | | | | | | | | | | | | | |
| 110 | 0.51 | 0.39 | 0.40 | 0.33 | 0.24 | | | | | | | | | | | | | | |
| 115 | 0.38 | 0.34 | 0.36 | 0.32 | 0.24 | | | | | | | | | | | | | | |
| 120 | 0.31 | 0.33 | 0.33 | 0.31 | 0.24 | | | | | | | | | | | | | | |
| 125 | 0.31 | 0.33 | 0.31 | 0.30 | 0.24 | | | | | | | | | | | | | | |
| 130 | 0.31 | 0.34 | 0.31 | 0.32 | 0.24 | | | | | | | | | | | | | | |
| 135 | 0.31 | 0.35 | 0.31 | 0.36 | 0.27 | | | | | | | | | | | | | | |
| 140 | 0.32 | 0.37 | 0.31 | 0.37 | 0.31 | | | | | | | | | | | | | | |
| 145 | 0.34 | 0.40 | 0.35 | 0.40 | 0.37 | | | | | | | | | | | | | | |
| 150 | 0.35 | 0.41 | 0.36 | 0.41 | 0.37 | | | | | | | | | | | | | | |
| 155 | 0.37 | 0.44 | 0.36 | 0.43 | 0.37 | | | | | | | | | | | | | | |
| 160 | 0.38 | 0.46 | 0.37 | 0.46 | 0.37 | | | | | | | | | | | | | | |
| 165 | 0.40 | 0.46 | 0.40 | 0.47 | 0.38 | | | | | | | | | | | | | | |
| 170 | 0.42 | 0.47 | 0.42 | 0.48 | 0.40 | | | | | | | | | | | | | | |
| 175 | 0.44 | 0.47 | 0.43 | 0.48 | 0.41 | | | | | | | | | | | | | | |
| 180 | 0.45 | 0.48 | 0.45 | 0.46 | 0.46 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M