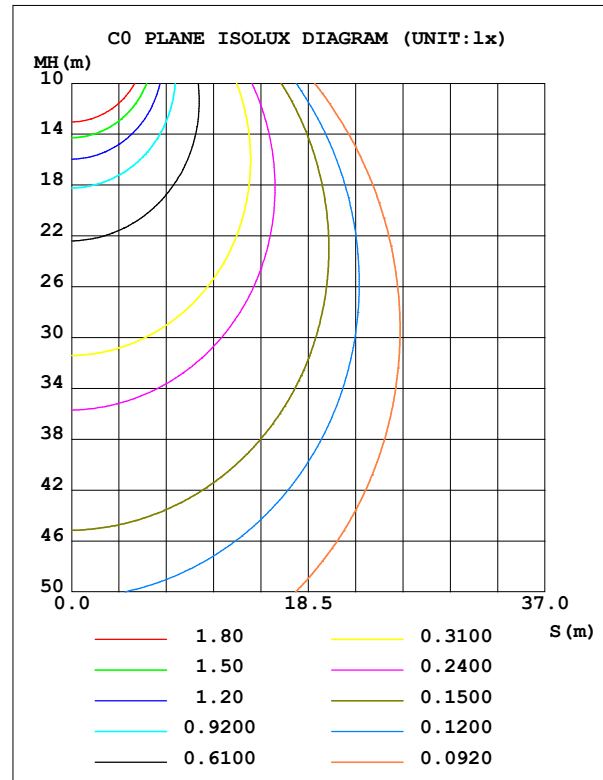
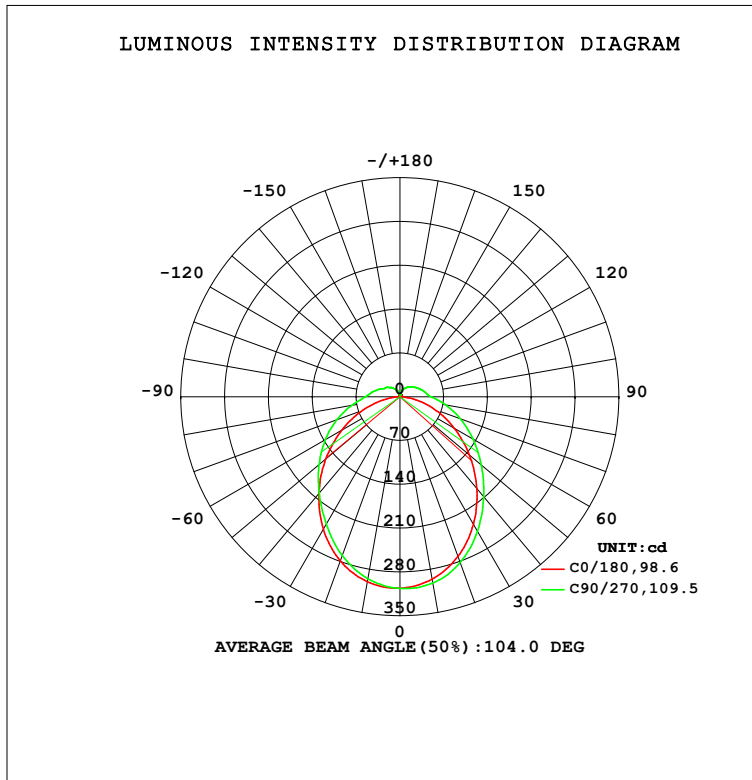


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|---------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700KTYPE:LED | WEIGHT: | |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 55.85 lm/W |
|-------------------|----------------|-----------------------|---------|--------------------|----------|-----------------|
| MODEL | DPAL-007 2700K | I _{max} (cd) | 307.3 | S/MH (C0/180) | 1.20 | |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.15 | |
| RATED VOLTAGE (V) | 220.0 | TOTAL FLUX (lm) | 964.36 | η UP,DN (C0-180) | 5.6,44.5 | |
| NOMINAL FLUX (lm) | 964.357 | CIE CLASS | SEMI-D. | η UP,DN (C180-360) | 5.8,44.1 | |
| LAMPS INSIDE | 1 | η up (%) | 11.4 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE (V) | 230 | η down (%) | 88.6 | CIBSE SHR MAX | 1.35 | |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 296.0 | 299.6 | 302.3 | 302.4 | 300.2 | 297.4 | 295.2 | 296.0 | 0- 10 | 28.88 | 28.88 | 3,3 |
| 20 | 271.4 | 278.2 | 281.9 | 282.6 | 279.0 | 274.1 | 269.9 | 270.7 | 10- 20 | 81.45 | 110.3 | 11.4,11.4 |
| 30 | 235.1 | 244.0 | 248.0 | 249.5 | 244.8 | 240.2 | 235.4 | 235.3 | 20- 30 | 119.7 | 230.0 | 23.9,23.9 |
| 40 | 191.3 | 202.8 | 208.4 | 208.7 | 201.5 | 200.5 | 200.9 | 194.9 | 30- 40 | 138.8 | 368.8 | 38.2,38.2 |
| 50 | 144.9 | 160.7 | 169.7 | 166.3 | 154.8 | 162.5 | 168.8 | 156.7 | 40- 50 | 139.8 | 508.6 | 52.7,52.7 |
| 60 | 100.3 | 121.1 | 134.6 | 126.2 | 107.7 | 125.3 | 137.9 | 120.0 | 50- 60 | 126.3 | 634.8 | 65.8,65.8 |
| 70 | 58.72 | 85.55 | 102.4 | 90.08 | 63.30 | 90.20 | 107.2 | 85.57 | 60- 70 | 102.7 | 737.5 | 76.5,76.5 |
| 80 | 21.82 | 53.37 | 73.54 | 57.07 | 23.73 | 58.16 | 77.57 | 54.56 | 70- 80 | 72.93 | 810.4 | 84,84 |
| 90 | 0.7910 | 30.32 | 49.81 | 32.93 | 0.6966 | 36.97 | 55.48 | 34.74 | 80- 90 | 44.04 | 854.4 | 88.6,88.6 |
| 100 | 0.8617 | 25.79 | 41.31 | 26.00 | 0.8620 | 28.41 | 45.02 | 29.65 | 90-100 | 30.29 | 884.7 | 91.7,91.7 |
| 110 | 1.313 | 22.57 | 35.48 | 22.54 | 1.292 | 23.47 | 35.60 | 24.97 | 100-110 | 24.54 | 909.3 | 94.3,94.3 |
| 120 | 1.811 | 19.52 | 29.89 | 17.28 | 1.759 | 18.06 | 28.01 | 20.76 | 110-120 | 19.22 | 928.5 | 96.3,96.3 |
| 130 | 2.322 | 16.86 | 24.92 | 13.49 | 2.257 | 13.21 | 23.45 | 17.02 | 120-130 | 14.37 | 942.9 | 97.8,97.8 |
| 140 | 2.839 | 14.44 | 20.35 | 10.69 | 2.765 | 9.572 | 19.14 | 13.73 | 130-140 | 9.995 | 952.9 | 98.8,98.8 |
| 150 | 3.334 | 11.54 | 16.16 | 7.929 | 3.266 | 6.946 | 14.45 | 10.09 | 140-150 | 6.307 | 959.2 | 99.5,99.5 |
| 160 | 3.779 | 4.658 | 11.61 | 5.450 | 3.730 | 4.641 | 9.290 | 4.240 | 150-160 | 3.445 | 962.6 | 99.8,99.8 |
| 170 | 4.124 | 4.143 | 4.093 | 3.996 | 4.119 | 4.103 | 4.162 | 4.188 | 160-170 | 1.346 | 964.0 | 100,100 |
| 180 | 4.319 | 4.306 | 4.335 | 4.278 | 4.322 | 4.335 | 4.341 | 4.291 | 170-180 | 0.4001 | 964.4 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 439.53 lm

%lum = 45.6%

%lamp = 45.6%

Conical surface Flux(120deg): 634.83 lm

%lum = 65.8%

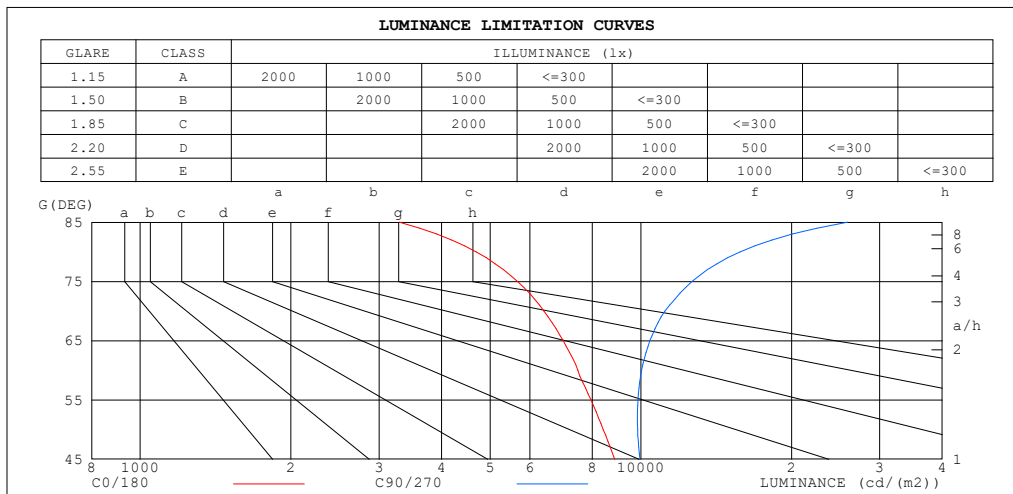
%lamp = 65.8%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 3294 | 25886 |
| 80 | 4688 | 15801 |
| 75 | 5672 | 12657 |
| 70 | 6406 | 11171 |
| 65 | 6994 | 10434 |
| 60 | 7484 | 10042 |
| 55 | 7948 | 9868 |
| 50 | 8414 | 9853 |
| 45 | 8872 | 9957 |

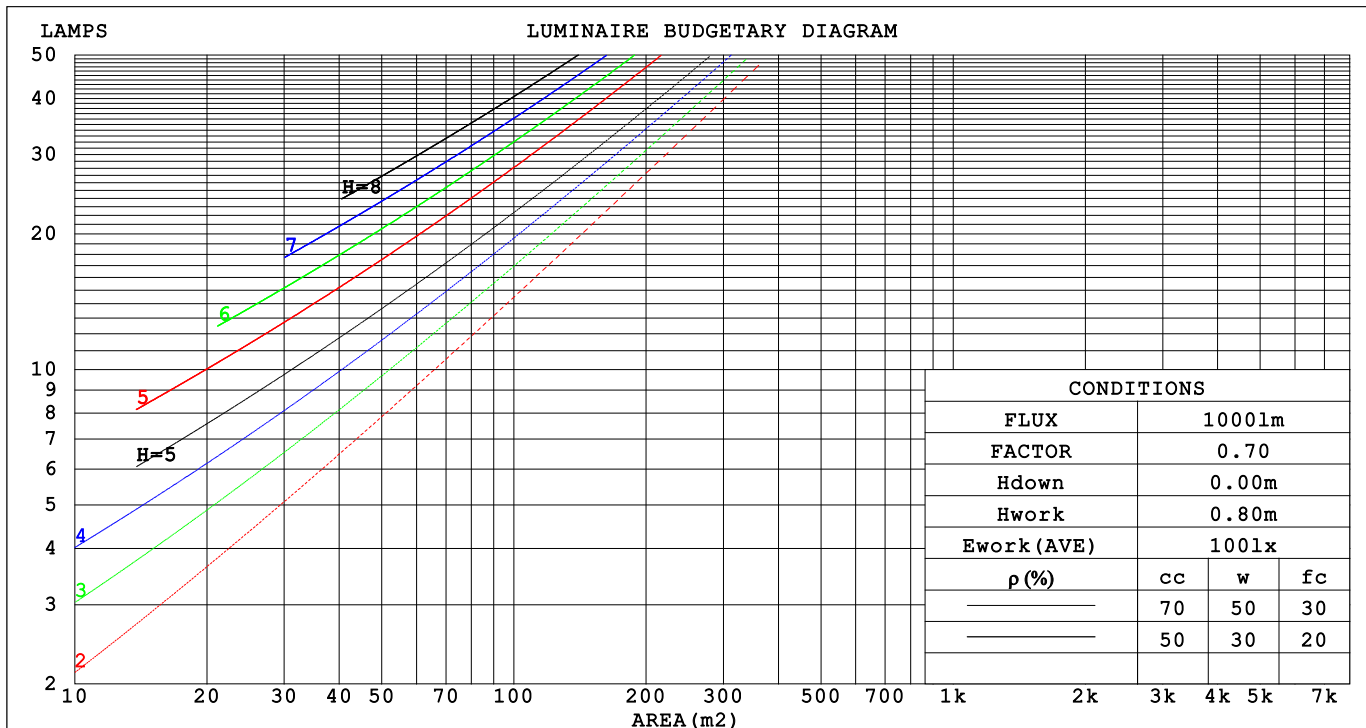
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_27 | 00KTYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.16 | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.05 | 1.05 | 1.05 | .98 | .98 | .98 | .92 | .92 | .92 | .89 |
| 1.0 | .00 | .95 | .91 | .96 | .92 | .88 | .90 | .86 | .83 | .84 | .81 | .79 | .79 | .76 | .74 | .71 |
| 2.0 | .86 | .79 | .73 | .84 | .77 | .71 | .78 | .73 | .68 | .73 | .69 | .65 | .68 | .65 | .62 | .59 |
| 3.0 | .76 | .67 | .61 | .73 | .66 | .59 | .69 | .62 | .57 | .64 | .59 | .54 | .60 | .56 | .52 | .49 |
| 4.0 | .67 | .58 | .51 | .65 | .57 | .50 | .61 | .54 | .48 | .57 | .51 | .47 | .54 | .49 | .45 | .42 |
| 5.0 | .60 | .51 | .44 | .58 | .50 | .43 | .55 | .47 | .42 | .52 | .45 | .40 | .49 | .43 | .39 | .37 |
| 6.0 | .54 | .45 | .39 | .52 | .44 | .38 | .49 | .42 | .37 | .47 | .40 | .35 | .44 | .39 | .34 | .32 |
| 7.0 | .49 | .40 | .34 | .48 | .39 | .34 | .45 | .38 | .32 | .43 | .36 | .31 | .40 | .35 | .31 | .28 |
| 8.0 | .45 | .36 | .30 | .43 | .35 | .30 | .41 | .34 | .29 | .39 | .33 | .28 | .37 | .32 | .27 | .25 |
| 9.0 | .41 | .33 | .27 | .40 | .32 | .27 | .38 | .31 | .26 | .36 | .30 | .25 | .34 | .29 | .25 | .23 |
| 10.0 | .38 | .30 | .25 | .37 | .29 | .24 | .35 | .28 | .24 | .33 | .27 | .23 | .32 | .26 | .23 | .21 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--|----------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .338 | .192 | .061 | .328 | .187 | .059 | .308 | .177 | .056 | .290 | .167 | .054 | .273 | .158 | .051 | |
| 2.0 | .304 | .167 | .051 | .294 | .162 | .050 | .277 | .154 | .048 | .260 | .146 | .046 | .245 | .139 | .044 | |
| 3.0 | .275 | .147 | .044 | .267 | .143 | .043 | .251 | .136 | .041 | .236 | .129 | .040 | .222 | .123 | .038 | |
| 4.0 | .251 | .131 | .038 | .244 | .127 | .038 | .229 | .122 | .036 | .216 | .116 | .035 | .203 | .110 | .034 | |
| 5.0 | .231 | .117 | .034 | .224 | .115 | .033 | .211 | .110 | .032 | .198 | .105 | .031 | .187 | .100 | .030 | |
| 6.0 | .213 | .107 | .031 | .207 | .104 | .030 | .195 | .100 | .029 | .184 | .095 | .028 | .173 | .091 | .027 | |
| 7.0 | .197 | .098 | .028 | .192 | .096 | .027 | .181 | .091 | .026 | .171 | .088 | .025 | .161 | .084 | .025 | |
| 8.0 | .184 | .090 | .025 | .179 | .088 | .025 | .169 | .084 | .024 | .160 | .081 | .023 | .151 | .078 | .023 | |
| 9.0 | .172 | .083 | .023 | .167 | .082 | .023 | .158 | .078 | .022 | .150 | .075 | .022 | .142 | .072 | .021 | |
| 10.0 | .162 | .077 | .021 | .157 | .076 | .021 | .149 | .073 | .021 | .141 | .070 | .020 | .134 | .067 | .019 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .277 | .277 | .277 | .237 | .237 | .237 | .162 | .162 | .162 | .093 | .093 | .093 | .030 | .030 | .030 | |
| 1.0 | .270 | .243 | .220 | .231 | .209 | .189 | .158 | .144 | .131 | .091 | .083 | .076 | .029 | .027 | .025 | |
| 2.0 | .262 | .220 | .185 | .224 | .189 | .160 | .154 | .131 | .111 | .089 | .076 | .065 | .028 | .025 | .021 | |
| 3.0 | .254 | .203 | .162 | .218 | .175 | .141 | .150 | .122 | .099 | .086 | .071 | .058 | .028 | .023 | .019 | |
| 4.0 | .246 | .190 | .147 | .211 | .164 | .128 | .145 | .114 | .090 | .084 | .067 | .053 | .027 | .022 | .017 | |
| 5.0 | .239 | .180 | .136 | .205 | .156 | .119 | .141 | .109 | .084 | .082 | .064 | .050 | .026 | .021 | .016 | |
| 6.0 | .232 | .172 | .129 | .199 | .149 | .112 | .137 | .104 | .079 | .080 | .061 | .047 | .026 | .020 | .016 | |
| 7.0 | .225 | .165 | .123 | .193 | .143 | .107 | .134 | .100 | .076 | .078 | .059 | .045 | .025 | .019 | .015 | |
| 8.0 | .218 | .159 | .119 | .188 | .138 | .104 | .130 | .097 | .074 | .076 | .057 | .044 | .024 | .019 | .015 | |
| 9.0 | .212 | .154 | .116 | .183 | .134 | .101 | .127 | .094 | .072 | .074 | .056 | .043 | .024 | .018 | .014 | |
| 10.0 | .206 | .150 | .113 | .178 | .131 | .099 | .123 | .092 | .070 | .072 | .054 | .042 | .023 | .018 | .014 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|-----|------------------|------|------|-------|------|----------------|------------------|------|------|------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | | | | | | | | | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700KTYPE:LED | | | | | | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: DARKON | | | | | 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 | | 19.2 | 20.6 | 19.6 | 21.0 | 21.4 | 20.3 | 21.6 | 20.7 | 22.0 | 22.5 |
| 3H | | 20.5 | 21.8 | 21.0 | 22.2 | 22.7 | 22.3 | 23.6 | 22.7 | 24.0 | 24.5 |
| 4H | | 21.0 | 22.2 | 21.5 | 22.7 | 23.2 | 23.4 | 24.6 | 23.8 | 25.0 | 25.5 |
| 6H | | 21.4 | 22.5 | 21.8 | 23.0 | 23.5 | 24.5 | 25.6 | 25.0 | 26.1 | 26.6 |
| 8H | | 21.4 | 22.5 | 21.9 | 23.0 | 23.5 | 25.1 | 26.2 | 25.6 | 26.7 | 27.2 |
| 12H | | 21.5 | 22.5 | 22.0 | 23.0 | 23.5 | 25.8 | 26.9 | 26.3 | 27.4 | 27.9 |
| 4H 2H | | 20.0 | 21.2 | 20.5 | 21.6 | 22.1 | 20.8 | 22.0 | 21.2 | 22.4 | 22.9 |
| 3H | | 21.5 | 22.6 | 22.1 | 23.1 | 23.6 | 23.0 | 24.1 | 23.6 | 24.6 | 25.1 |
| 4H | | 22.2 | 23.2 | 22.7 | 23.7 | 24.3 | 24.3 | 25.3 | 24.8 | 25.8 | 26.3 |
| 6H | | 22.7 | 23.5 | 23.2 | 24.1 | 24.7 | 25.6 | 26.5 | 26.2 | 27.1 | 27.7 |
| 8H | | 22.8 | 23.6 | 23.4 | 24.2 | 24.8 | 26.4 | 27.2 | 27.0 | 27.7 | 28.4 |
| 12H | | 22.9 | 23.6 | 23.5 | 24.2 | 24.9 | 27.2 | 28.0 | 27.8 | 28.5 | 29.2 |
| 8H 4H | | 22.8 | 23.6 | 23.4 | 24.2 | 24.8 | 24.6 | 25.4 | 25.2 | 25.9 | 26.6 |
| 6H | | 23.5 | 24.2 | 24.2 | 24.8 | 25.5 | 26.2 | 26.9 | 26.8 | 27.4 | 28.1 |
| 8H | | 23.8 | 24.4 | 24.5 | 25.0 | 25.7 | 27.1 | 27.7 | 27.7 | 28.3 | 29.0 |
| 12H | | 24.0 | 24.6 | 24.7 | 25.2 | 25.9 | 28.2 | 28.7 | 28.8 | 29.3 | 30.0 |
| 12H 4H | | 23.0 | 23.7 | 23.5 | 24.3 | 24.9 | 24.6 | 25.3 | 25.2 | 25.9 | 26.5 |
| 6H | | 23.8 | 24.4 | 24.5 | 25.1 | 25.7 | 26.3 | 26.9 | 26.9 | 27.5 | 28.2 |
| 8H | | 24.2 | 24.8 | 24.9 | 25.4 | 26.1 | 27.3 | 27.8 | 27.9 | 28.4 | 29.1 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.1 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 964.4 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.1$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_27 | 00KTYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |

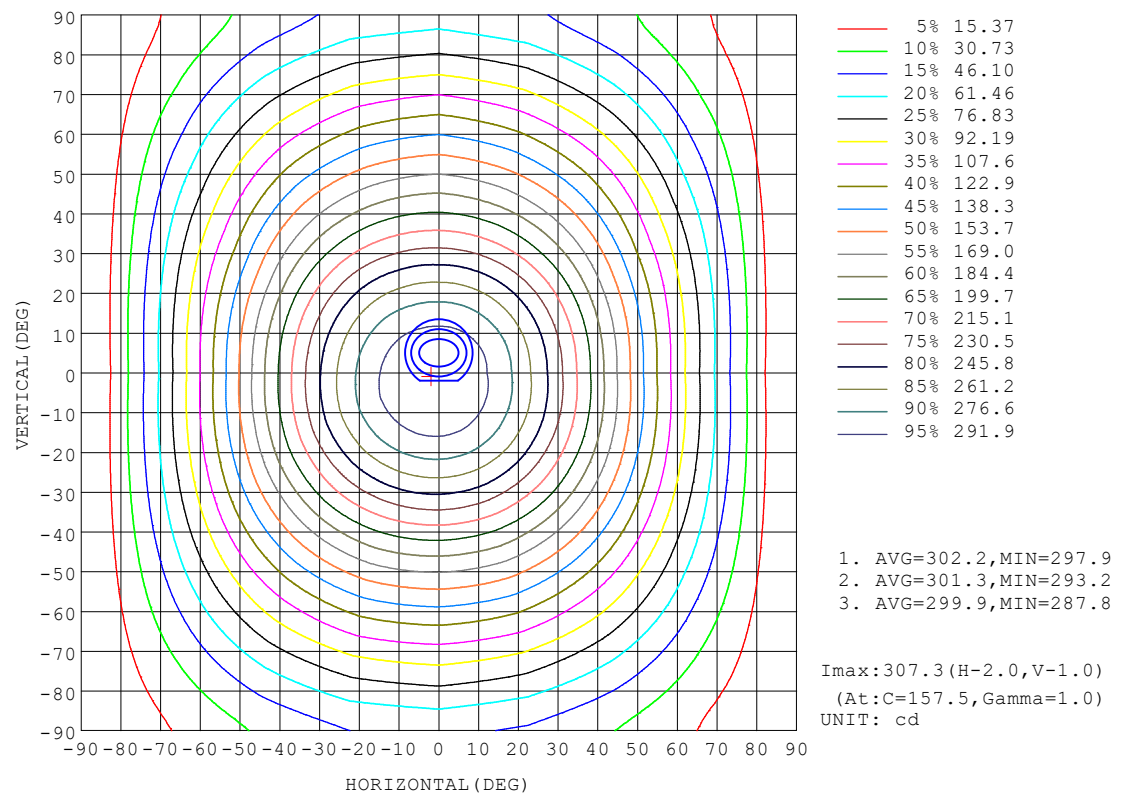
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 54 | 42 | 35 | 53 | 41 | 35 | 51 | 41 | 34 | 28 |
| 0.80 | 63 | 51 | 43 | 62 | 50 | 43 | 59 | 49 | 42 | 35 |
| 1.00 | 71 | 59 | 51 | 69 | 58 | 51 | 66 | 59 | 50 | 42 |
| 1.25 | 78 | 66 | 59 | 76 | 65 | 58 | 72 | 63 | 57 | 48 |
| 1.50 | 83 | 72 | 64 | 80 | 70 | 63 | 76 | 68 | 62 | 52 |
| 2.00 | 90 | 80 | 73 | 87 | 78 | 71 | 82 | 75 | 69 | 59 |
| 2.50 | 94 | 85 | 78 | 91 | 83 | 76 | 85 | 79 | 74 | 63 |
| 3.00 | 97 | 89 | 83 | 94 | 87 | 81 | 88 | 83 | 78 | 66 |
| 4.00 | 101 | 95 | 89 | 98 | 92 | 87 | 92 | 87 | 83 | 71 |
| 5.00 | 104 | 98 | 93 | 100 | 95 | 91 | 94 | 90 | 86 | 74 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700K | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |

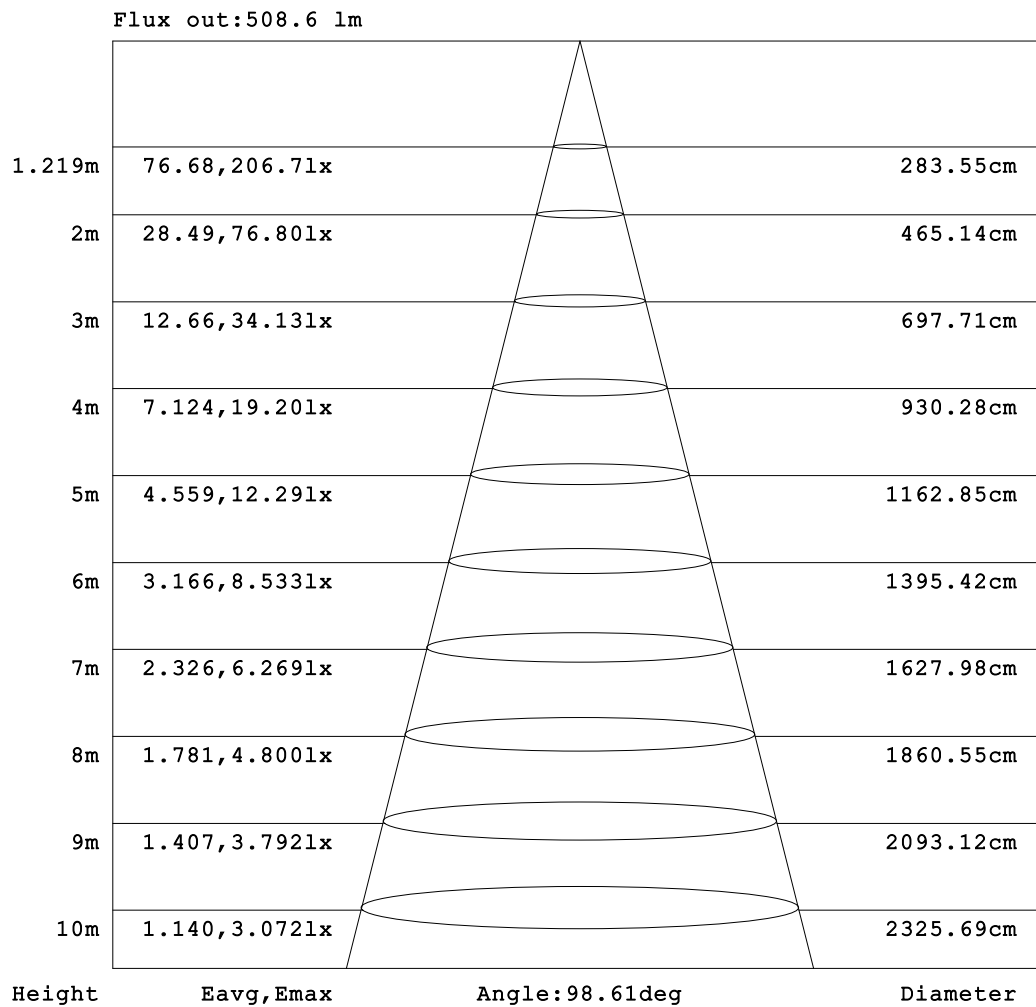


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|----------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |



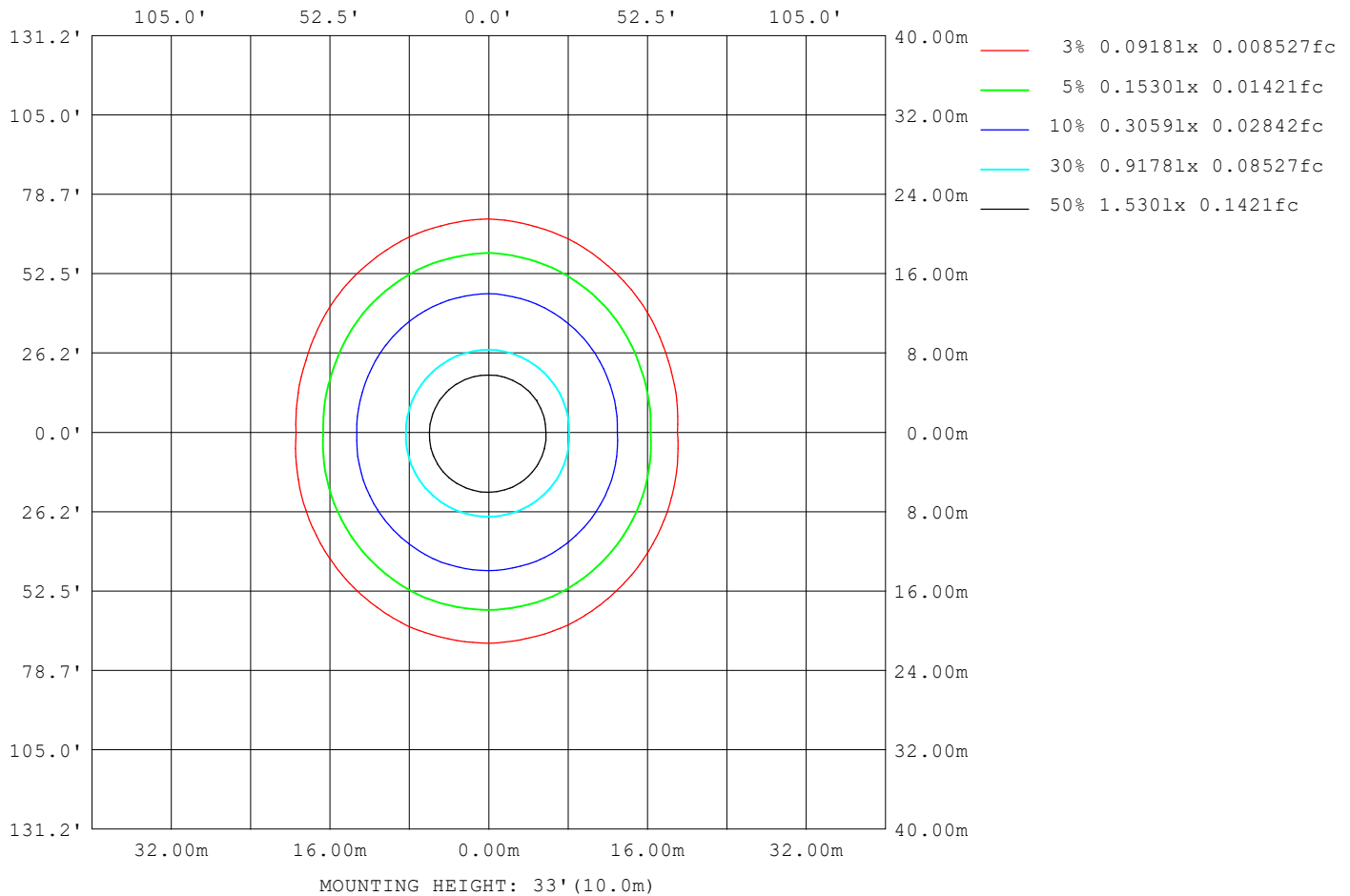
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_27 | 00KTYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|----------|------------------|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700 | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: DARKON | SUR.: | Shielding Angle: |

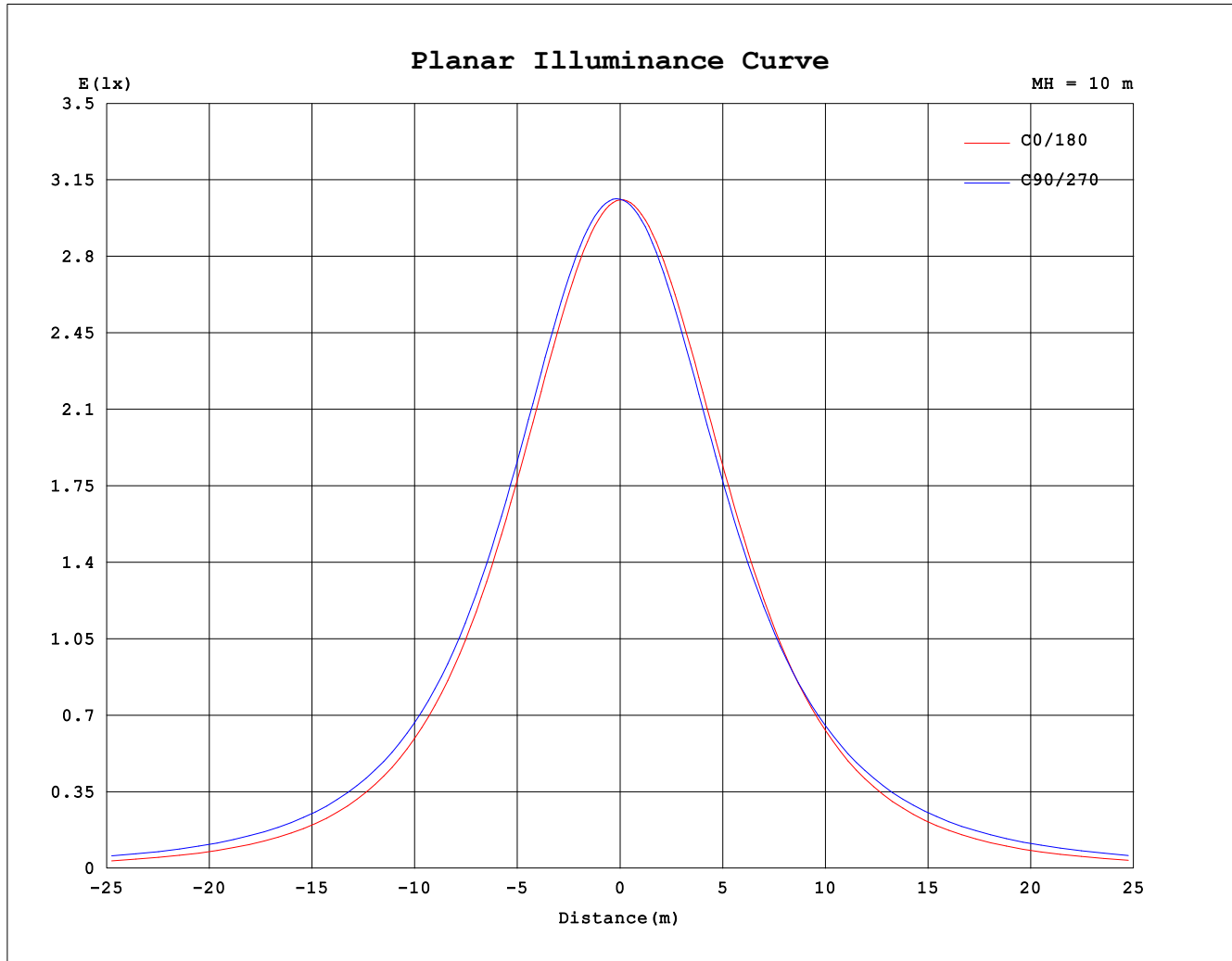
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 7253 |
| L_0~180 (75) av | 5908 |
| L_0~180 (85) av | 3460 |
| L_90~270 (65) av | 10629 |
| L_90~270 (75) av | 12961 |
| L_90~270 (85) av | 26776 |
| L_45 (65) av | 9269 |
| L_45 (75) av | 10259 |
| L_45 (85) av | 18231 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:24 September 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 24 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|------------------|--|--|--|
| Test:U:240.02V I:0.1082A P:17.267W PF:0.6648 Freq:50.08Hz Lamp Flux:964.357x1 lm | | | | | | | | | | | | | | | | | |
| NAME: SUPER MINI GRAZER_1073_WHT_OPAL V_DPAL-007_2700KTYPE:LED | | | | | | | | | | WEIGHT: | | | | | | | |
| SPEC.: | | | | | | | | | | DIM.: | | | | SERIAL No.: | | | |
| MFR.: DARKON | | | | | | | | | | SUR.: | | | | Shielding Angle: | | | |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 306 | 306 | 306 | 306 | 306 | 307 | 307 | 307 | 306 | 306 | 306 | 306 | 306 | 307 | 307 | 307 | | | |
| 5 | 303 | 304 | 305 | 306 | 306 | 307 | 307 | 307 | 305 | 304 | 304 | 303 | 303 | 303 | 303 | 304 | | | |
| 10 | 296 | 298 | 300 | 301 | 302 | 303 | 302 | 302 | 300 | 299 | 297 | 296 | 295 | 296 | 296 | 296 | | | |
| 15 | 285 | 288 | 291 | 293 | 294 | 295 | 294 | 294 | 291 | 289 | 287 | 285 | 284 | 284 | 285 | 286 | | | |
| 20 | 271 | 275 | 278 | 281 | 282 | 282 | 283 | 282 | 279 | 277 | 274 | 271 | 270 | 270 | 271 | 271 | | | |
| 25 | 254 | 259 | 262 | 265 | 266 | 267 | 267 | 267 | 263 | 261 | 258 | 255 | 253 | 254 | 254 | 254 | | | |
| 30 | 235 | 240 | 244 | 247 | 248 | 249 | 250 | 249 | 245 | 242 | 240 | 237 | 235 | 235 | 235 | 235 | | | |
| 35 | 214 | 219 | 224 | 227 | 228 | 229 | 230 | 229 | 224 | 222 | 221 | 219 | 218 | 216 | 215 | 215 | | | |
| 40 | 191 | 198 | 203 | 207 | 208 | 209 | 209 | 207 | 202 | 201 | 200 | 201 | 201 | 198 | 195 | 193 | | | |
| 45 | 168 | 176 | 182 | 187 | 189 | 189 | 187 | 185 | 179 | 179 | 181 | 184 | 185 | 181 | 176 | 171 | | | |
| 50 | 145 | 153 | 161 | 167 | 170 | 170 | 166 | 162 | 155 | 157 | 162 | 167 | 169 | 164 | 157 | 149 | | | |
| 55 | 122 | 132 | 140 | 149 | 152 | 151 | 146 | 139 | 131 | 135 | 144 | 150 | 153 | 147 | 138 | 127 | | | |
| 60 | 100 | 110 | 121 | 131 | 135 | 134 | 126 | 117 | 108 | 113 | 125 | 134 | 138 | 131 | 120 | 107 | | | |
| 65 | 79.2 | 90.1 | 103 | 114 | 118 | 117 | 107 | 96.2 | 85.1 | 93.6 | 108 | 118 | 123 | 115 | 102 | 88.0 | | | |
| 70 | 58.7 | 70.8 | 85.5 | 97.6 | 102 | 100 | 90.1 | 76.0 | 63.3 | 74.0 | 90.2 | 102 | 107 | 99.7 | 85.6 | 69.2 | | | |
| 75 | 39.3 | 52.5 | 68.8 | 82.0 | 87.8 | 84.6 | 72.9 | 56.9 | 42.6 | 55.4 | 73.5 | 87.5 | 92.0 | 84.7 | 69.4 | 51.5 | | | |
| 80 | 21.8 | 35.9 | 53.4 | 67.4 | 73.5 | 70.0 | 57.1 | 39.4 | 23.7 | 38.5 | 58.2 | 72.8 | 77.6 | 70.3 | 54.6 | 35.5 | | | |
| 85 | 7.69 | 22.0 | 40.0 | 54.3 | 60.5 | 56.7 | 43.2 | 24.7 | 8.47 | 24.6 | 45.1 | 59.9 | 64.6 | 57.7 | 42.1 | 22.6 | | | |
| 90 | 0.79 | 13.5 | 30.3 | 44.0 | 49.8 | 46.1 | 32.9 | 15.1 | 0.70 | 17.0 | 37.0 | 51.1 | 55.5 | 49.3 | 34.7 | 16.0 | | | |
| 95 | 0.67 | 12.3 | 27.4 | 39.4 | 44.5 | 40.4 | 28.8 | 13.6 | 0.67 | 14.7 | 33.3 | 45.6 | 49.6 | 45.1 | 32.1 | 14.7 | | | |
| 100 | 0.86 | 11.6 | 25.8 | 36.7 | 41.3 | 36.6 | 26.0 | 12.8 | 0.86 | 13.5 | 28.4 | 38.7 | 45.0 | 41.3 | 29.7 | 13.4 | | | |
| 105 | 1.08 | 11.1 | 24.2 | 34.3 | 38.4 | 33.9 | 23.6 | 11.9 | 1.07 | 12.5 | 26.4 | 35.5 | 39.8 | 37.8 | 27.2 | 12.4 | | | |
| 110 | 1.31 | 10.6 | 22.6 | 31.7 | 35.5 | 30.7 | 22.5 | 10.9 | 1.29 | 11.2 | 23.5 | 32.8 | 35.6 | 34.5 | 25.0 | 11.4 | | | |
| 115 | 1.56 | 10.2 | 21.0 | 29.2 | 32.6 | 27.6 | 19.9 | 9.75 | 1.52 | 8.97 | 21.1 | 30.3 | 31.1 | 31.4 | 22.8 | 10.5 | | | |
| 120 | 1.81 | 9.87 | 19.5 | 26.9 | 29.9 | 25.4 | 17.3 | 8.76 | 1.76 | 7.79 | 18.1 | 25.7 | 28.0 | 28.6 | 20.8 | 9.76 | | | |
| 125 | 2.07 | 9.50 | 18.1 | 24.6 | 27.3 | 22.0 | 15.4 | 7.99 | 2.01 | 7.14 | 15.6 | 24.1 | 26.6 | 25.9 | 18.8 | 9.03 | | | |
| 130 | 2.32 | 8.94 | 16.9 | 22.6 | 24.9 | 19.3 | 13.5 | 7.24 | 2.26 | 6.18 | 13.2 | 20.0 | 23.4 | 23.4 | 17.0 | 8.18 | | | |
| 135 | 2.58 | 8.37 | 15.7 | 20.6 | 22.6 | 17.3 | 12.1 | 6.48 | 2.51 | 5.36 | 10.7 | 17.0 | 21.1 | 20.9 | 15.4 | 7.15 | | | |
| 140 | 2.84 | 7.73 | 14.4 | 18.7 | 20.4 | 15.1 | 10.7 | 6.03 | 2.76 | 4.68 | 9.57 | 14.4 | 19.1 | 18.5 | 13.7 | 5.82 | | | |
| 145 | 3.09 | 4.46 | 13.1 | 16.9 | 18.2 | 12.8 | 9.43 | 5.30 | 3.02 | 4.19 | 8.37 | 12.0 | 16.1 | 16.2 | 12.1 | 4.19 | | | |
| 150 | 3.33 | 3.50 | 11.5 | 15.0 | 16.2 | 10.9 | 7.93 | 3.24 | 3.27 | 3.22 | 6.95 | 9.73 | 14.5 | 13.9 | 10.1 | 3.47 | | | |
| 155 | 3.56 | 3.68 | 10.1 | 12.8 | 13.9 | 8.73 | 7.32 | 3.48 | 3.50 | 3.48 | 6.00 | 7.38 | 12.0 | 11.3 | 7.24 | 3.65 | | | |
| 160 | 3.78 | 3.85 | 4.66 | 10.8 | 11.6 | 7.35 | 5.45 | 3.64 | 3.73 | 3.69 | 4.64 | 6.18 | 9.29 | 7.66 | 4.24 | 3.83 | | | |
| 165 | 3.96 | 4.03 | 4.07 | 4.31 | 5.55 | 4.72 | 3.90 | 3.86 | 3.94 | 3.89 | 3.95 | 4.06 | 4.80 | 4.10 | 4.09 | 4.01 | | | |
| 170 | 4.12 | 4.17 | 4.14 | 4.13 | 4.09 | 4.07 | 4.00 | 4.05 | 4.12 | 4.08 | 4.10 | 4.09 | 4.16 | 4.12 | 4.19 | 4.14 | | | |
| 175 | 4.24 | 4.28 | 4.25 | 4.24 | 4.20 | 4.19 | 4.15 | 4.20 | 4.26 | 4.23 | 4.25 | 4.22 | 4.29 | 4.23 | 4.28 | 4.23 | | | |
| 180 | 4.32 | 4.34 | 4.31 | 4.31 | 4.33 | 4.29 | 4.28 | 4.29 | 4.32 | 4.33 | 4.33 | 4.30 | 4.34 | 4.28 | 4.29 | 4.28 | | | |

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:JEFF

Test Date:24 September 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366

Humidity:65.0%

Test Distance:7.250m [K=1.0000]

Remarks: