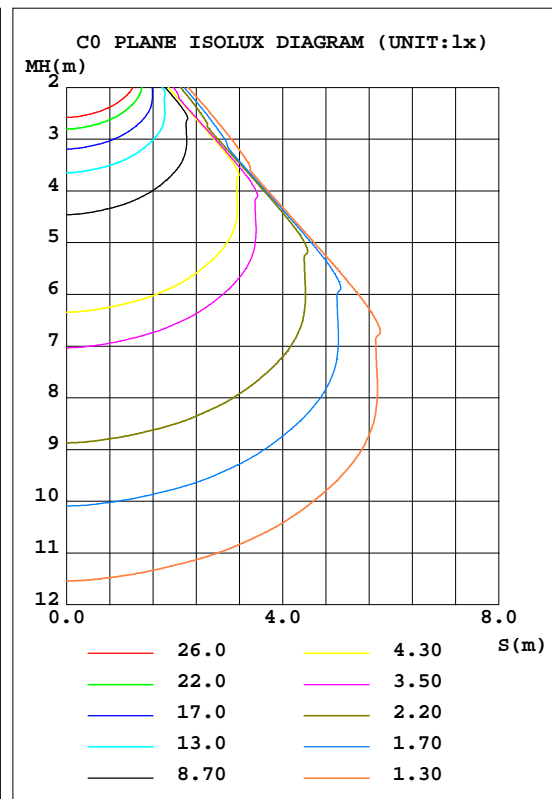
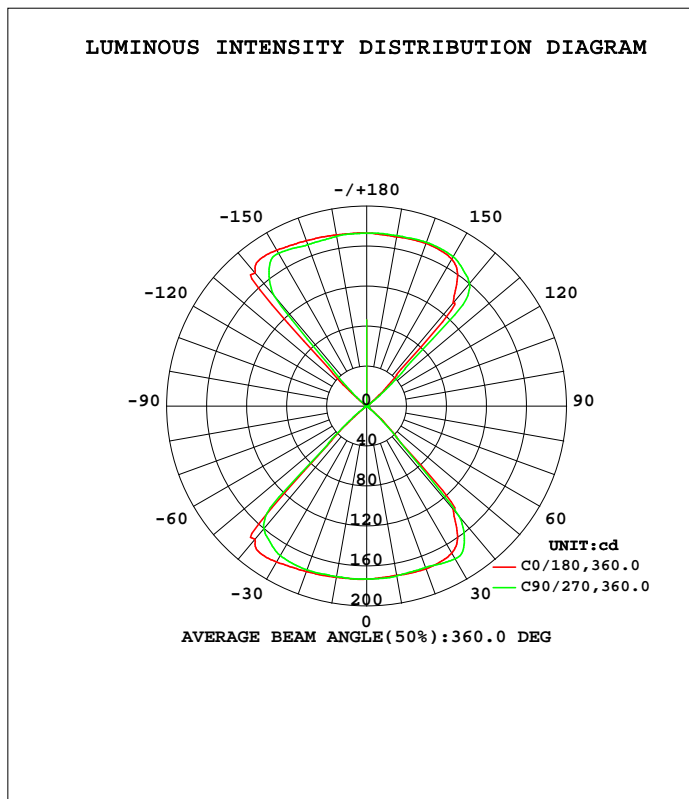


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 53.97 lm/W | | | |
|------------------|---------|----------------------------------|---------|--------------------|------------|
| MODEL | | I _{max} (cd) | 188.8 | S/MH(C0/180) | 1.35 |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 1.38 |
| RATED VOLTAGE(V) | 220.0 | TOTAL FLUX(lm) | 616.58 | η UP, DN(C0-180) | 26.0, 23.9 |
| NOMINAL FLUX(lm) | 308.292 | CIE CLASS | DIFFUSE | η UP, DN(C180-360) | 24.0, 26.1 |
| LAMPS INSIDE | 2 | η up(%) | 50.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 120 | η down(%) | 50.0 | CIBSE SHR MAX | 0.95 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

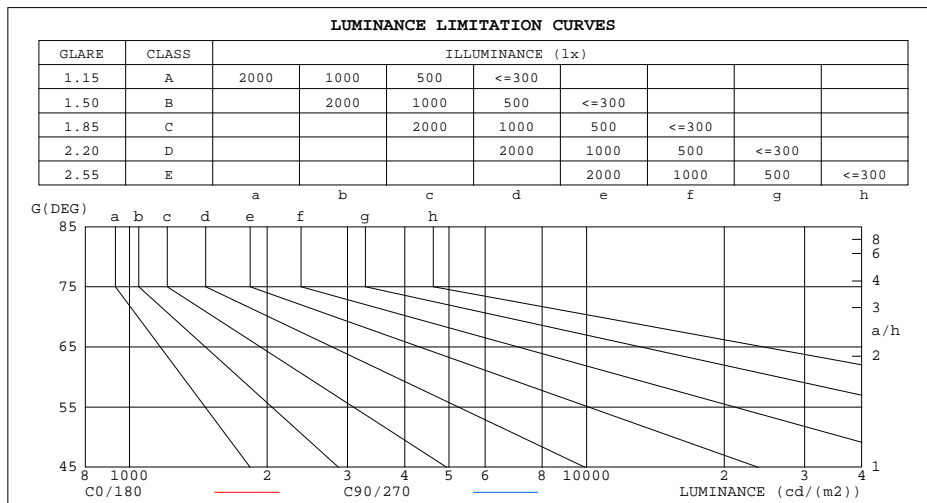
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | \$lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 171.9 | 170.2 | 172.6 | 173.9 | 174.0 | 173.5 | 173.3 | 173.2 | 0- 10 | 16.50 | 16.50 | 2.68,2.68 |
| 20 | 173.4 | 174.8 | 171.9 | 175.8 | 176.2 | 175.7 | 174.4 | 173.6 | 10- 20 | 49.25 | 65.75 | 10.7,10.7 |
| 30 | 170.0 | 170.7 | 176.4 | 177.5 | 180.1 | 176.7 | 172.7 | 171.4 | 20- 30 | 81.01 | 146.8 | 23.8,23.8 |
| 40 | 134.8 | 147.2 | 143.5 | 179.7 | 173.8 | 165.5 | 159.9 | 146.4 | 30- 40 | 105.6 | 252.4 | 40.9,40.9 |
| 50 | 9.914 | 6.705 | 5.008 | 5.122 | 13.15 | 16.93 | 19.92 | 20.66 | 40- 50 | 50.88 | 303.2 | 49.2,49.2 |
| 60 | 1.408 | 1.359 | 1.354 | 1.332 | 1.632 | 1.684 | 1.679 | 1.685 | 50- 60 | 3.539 | 306.8 | 49.8,49.8 |
| 70 | 0.5657 | 0.5927 | 0.6199 | 0.6274 | 0.7450 | 0.6131 | 0.3607 | 0.6147 | 60- 70 | 0.9575 | 307.7 | 49.9,49.9 |
| 80 | 0.2645 | 0.3106 | 0.3404 | 0.3105 | 0.3892 | 0.0480 | 0 | 0.0715 | 70- 80 | 0.4050 | 308.1 | 50,50 |
| 90 | 0.0794 | 0.1497 | 0.1790 | 0.1509 | 0.0386 | 0 | 0 | 0 | 80- 90 | 0.1564 | 308.3 | 50,50 |
| 100 | 0.2645 | 0.0715 | 0 | 0.0480 | 0.3892 | 0.3105 | 0.3404 | 0.3106 | 90-100 | 0.1564 | 308.4 | 50,50 |
| 110 | 0.5657 | 0.6147 | 0.3607 | 0.6131 | 0.7450 | 0.6274 | 0.6199 | 0.5927 | 100-110 | 0.4050 | 308.9 | 50.1,50.1 |
| 120 | 1.408 | 1.685 | 1.679 | 1.684 | 1.632 | 1.332 | 1.354 | 1.359 | 110-120 | 0.9575 | 309.8 | 50.2,50.2 |
| 130 | 9.914 | 20.66 | 19.92 | 16.93 | 13.15 | 5.122 | 5.008 | 6.705 | 120-130 | 3.539 | 313.3 | 50.8,50.8 |
| 140 | 134.8 | 146.4 | 159.9 | 165.5 | 173.8 | 179.7 | 143.5 | 147.2 | 130-140 | 50.88 | 364.2 | 59.1,59.1 |
| 150 | 170.0 | 171.4 | 172.7 | 176.7 | 180.1 | 177.5 | 176.4 | 170.7 | 140-150 | 105.6 | 469.8 | 76.2,76.2 |
| 160 | 173.4 | 173.6 | 174.4 | 175.7 | 176.2 | 175.8 | 171.9 | 174.8 | 150-160 | 81.01 | 550.8 | 89.3,89.3 |
| 170 | 171.9 | 173.2 | 173.3 | 173.5 | 174.0 | 173.9 | 172.6 | 170.2 | 160-170 | 49.25 | 600.1 | 97.3,97.3 |
| 180 | 173.1 | 173.1 | 173.1 | 173.1 | 173.1 | 173.1 | 173.1 | 173.1 | 170-180 | 16.50 | 616.6 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 21 | 30 |
| 80 | 16 | 20 |
| 75 | 16 | 18 |
| 70 | 17 | 19 |
| 65 | 21 | 22 |
| 60 | 29 | 28 |
| 55 | 49 | 39 |
| 50 | 161 | 81 |
| 45 | 547 | 497 |

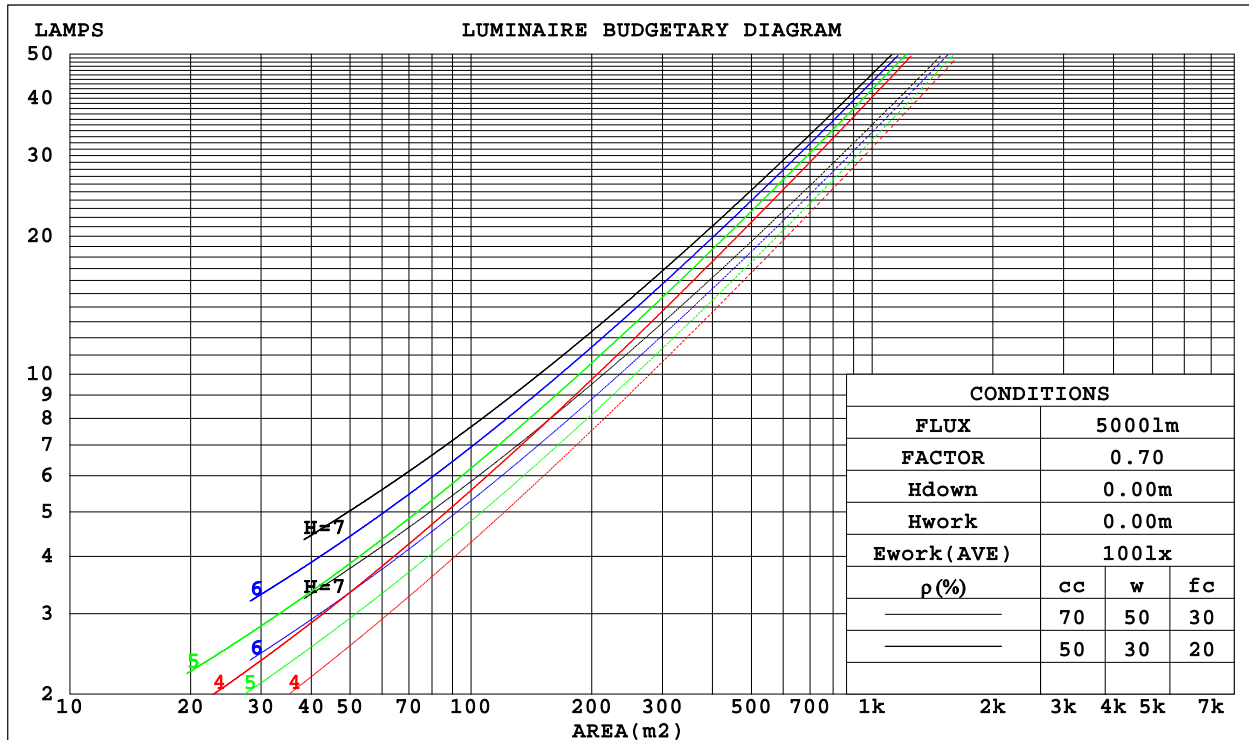
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-------------|-----------------------|------|------|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.07 | 1.07 | 1.07 | .99 | .99 | .99 | .83 | .83 | .83 | .69 | .69 | .69 | .56 | .56 | .56 | .50 |
| 1.0 | .96 | .93 | .90 | .89 | .86 | .84 | .76 | .74 | .72 | .64 | .62 | .61 | .53 | .52 | .51 | .46 |
| 2.0 | .86 | .81 | .77 | .80 | .76 | .72 | .69 | .66 | .63 | .58 | .56 | .54 | .49 | .47 | .46 | .42 |
| 3.0 | .78 | .71 | .67 | .72 | .67 | .63 | .63 | .59 | .56 | .54 | .51 | .48 | .45 | .43 | .42 | .38 |
| 4.0 | .70 | .63 | .58 | .66 | .60 | .55 | .57 | .53 | .49 | .49 | .46 | .43 | .42 | .39 | .38 | .34 |
| 5.0 | .64 | .56 | .51 | .60 | .53 | .49 | .52 | .47 | .44 | .45 | .42 | .39 | .38 | .36 | .34 | .31 |
| 6.0 | .58 | .51 | .45 | .54 | .48 | .43 | .48 | .43 | .39 | .41 | .38 | .35 | .36 | .33 | .31 | .28 |
| 7.0 | .53 | .46 | .41 | .50 | .43 | .39 | .44 | .39 | .35 | .38 | .34 | .32 | .33 | .30 | .28 | .26 |
| 8.0 | .48 | .41 | .36 | .45 | .39 | .35 | .40 | .35 | .32 | .35 | .32 | .29 | .31 | .28 | .26 | .24 |
| 9.0 | .44 | .38 | .33 | .42 | .36 | .32 | .37 | .32 | .29 | .33 | .29 | .26 | .28 | .26 | .24 | .22 |
| 10.0 | .41 | .34 | .30 | .39 | .33 | .29 | .34 | .30 | .26 | .30 | .27 | .24 | .27 | .24 | .22 | .20 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | 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 | .229 | .130 | .041 | .207 | .118 | .037 | .166 | .095 | .030 | .128 | .074 | .024 | .093 | .054 | .017 | |
| 2.0 | .216 | .118 | .036 | .196 | .108 | .033 | .159 | .088 | .027 | .124 | .070 | .022 | .092 | .052 | .016 | |
| 3.0 | .203 | .108 | .032 | .185 | .099 | .030 | .151 | .082 | .025 | .119 | .065 | .020 | .090 | .050 | .015 | |
| 4.0 | .191 | .099 | .029 | .175 | .091 | .027 | .143 | .076 | .023 | .114 | .061 | .019 | .087 | .048 | .014 | |
| 5.0 | .180 | .092 | .027 | .165 | .085 | .025 | .136 | .071 | .021 | .109 | .058 | .017 | .084 | .045 | .014 | |
| 6.0 | .170 | .085 | .024 | .156 | .079 | .023 | .129 | .066 | .019 | .105 | .054 | .016 | .081 | .043 | .013 | |
| 7.0 | .161 | .079 | .023 | .148 | .074 | .021 | .123 | .062 | .018 | .100 | .051 | .015 | .078 | .041 | .012 | |
| 8.0 | .152 | .074 | .021 | .140 | .069 | .019 | .117 | .058 | .017 | .096 | .048 | .014 | .075 | .039 | .011 | |
| 9.0 | .144 | .070 | .019 | .133 | .065 | .018 | .112 | .055 | .016 | .091 | .046 | .013 | .072 | .037 | .011 | |
| 10.0 | .137 | .066 | .018 | .126 | .061 | .017 | .106 | .052 | .015 | .087 | .043 | .012 | .070 | .035 | .010 | |

| 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 | .571 | .571 | .571 | .488 | .488 | .488 | .333 | .333 | .333 | .191 | .191 | .191 | .061 | .061 | .061 | |
| 1.0 | .559 | .541 | .525 | .478 | .464 | .452 | .327 | .319 | .312 | .188 | .185 | .182 | .060 | .059 | .059 | |
| 2.0 | .549 | .519 | .494 | .470 | .447 | .427 | .322 | .309 | .298 | .186 | .180 | .175 | .060 | .058 | .057 | |
| 3.0 | .540 | .503 | .473 | .463 | .434 | .410 | .318 | .301 | .287 | .184 | .176 | .169 | .059 | .057 | .055 | |
| 4.0 | .533 | .490 | .457 | .457 | .424 | .397 | .315 | .295 | .280 | .182 | .173 | .166 | .059 | .056 | .054 | |
| 5.0 | .526 | .480 | .447 | .452 | .416 | .388 | .311 | .290 | .274 | .180 | .170 | .163 | .058 | .056 | .054 | |
| 6.0 | .520 | .473 | .438 | .447 | .409 | .382 | .309 | .287 | .270 | .179 | .169 | .161 | .058 | .055 | .053 | |
| 7.0 | .515 | .466 | .432 | .443 | .404 | .377 | .306 | .283 | .267 | .178 | .167 | .159 | .057 | .055 | .053 | |
| 8.0 | .510 | .461 | .428 | .439 | .400 | .373 | .304 | .281 | .265 | .177 | .166 | .158 | .057 | .054 | .052 | |
| 9.0 | .505 | .457 | .424 | .435 | .396 | .370 | .301 | .279 | .263 | .176 | .165 | .157 | .057 | .054 | .052 | |
| 10.0 | .501 | .453 | .421 | .432 | .393 | .368 | .299 | .277 | .261 | .175 | .164 | .156 | .057 | .054 | .052 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|-----|-----|-----|-------|----------------|-----|------------------|-----|-----|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | | | | | | | | | |
| NAME: SES-WL225 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: | | | | | 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 | 5.6 | 6.4 | 6.4 | 7.2 | 8.2 | 5.0 | 5.8 | 5.9 | 6.7 | 7.7 |
| 3H | 5.2 | 6.0 | 6.1 | 6.8 | 7.9 | 4.7 | 5.4 | 5.6 | 6.3 | 7.4 |
| 4H | 5.1 | 5.7 | 6.0 | 6.6 | 7.7 | 4.5 | 5.2 | 5.4 | 6.1 | 7.2 |
| 6H | 4.9 | 5.5 | 5.8 | 6.4 | 7.5 | 4.4 | 5.0 | 5.3 | 5.9 | 7.0 |
| 8H | 4.8 | 5.4 | 5.7 | 6.3 | 7.5 | 4.3 | 4.9 | 5.2 | 5.8 | 6.9 |
| 12H | 4.7 | 5.3 | 5.7 | 6.2 | 7.4 | 4.2 | 4.8 | 5.1 | 5.7 | 6.8 |
| 4H 2H | 5.1 | 5.7 | 6.0 | 6.6 | 7.7 | 4.5 | 5.2 | 5.4 | 6.1 | 7.2 |
| 3H | 4.7 | 5.3 | 5.7 | 6.2 | 7.4 | 4.2 | 4.8 | 5.1 | 5.7 | 6.8 |
| 4H | 4.6 | 5.0 | 5.5 | 6.0 | 7.2 | 4.0 | 4.5 | 5.0 | 5.5 | 6.6 |
| 6H | 4.4 | 4.8 | 5.3 | 5.8 | 7.0 | 3.8 | 4.3 | 4.8 | 5.2 | 6.5 |
| 8H | 4.3 | 4.7 | 5.3 | 5.6 | 6.9 | 3.8 | 4.2 | 4.7 | 5.1 | 6.4 |
| 12H | 4.2 | 4.5 | 5.2 | 5.5 | 6.8 | 3.7 | 4.0 | 4.7 | 5.0 | 6.3 |
| 8H 4H | 4.3 | 4.7 | 5.3 | 5.6 | 6.9 | 3.8 | 4.1 | 4.7 | 5.1 | 6.4 |
| 6H | 4.1 | 4.4 | 5.1 | 5.4 | 6.7 | 3.6 | 3.9 | 4.6 | 4.9 | 6.2 |
| 8H | 4.0 | 4.3 | 5.0 | 5.3 | 6.6 | 3.5 | 3.8 | 4.5 | 4.8 | 6.1 |
| 12H | 3.9 | 4.1 | 4.9 | 5.2 | 6.5 | 3.4 | 3.6 | 4.4 | 4.6 | 6.0 |
| 12H 4H | 4.2 | 4.5 | 5.2 | 5.5 | 6.8 | 3.7 | 4.0 | 4.7 | 5.0 | 6.3 |
| 6H | 4.0 | 4.3 | 5.0 | 5.3 | 6.6 | 3.5 | 3.7 | 4.5 | 4.8 | 6.1 |
| 8H | 3.9 | 4.1 | 4.9 | 5.1 | 6.5 | 3.4 | 3.6 | 4.4 | 4.6 | 6.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 3.0 / -16.5 | | | | | + 3.0 / -16.6 | | | | |
| 1.5H | + 5.4 / -15.6 | | | | | + 5.6 / -15.6 | | | | |
| 2.0H | + 7.9 / - 9.3 | | | | | + 7.8 / - 8.0 | | | | |

CIE Pub.117, 616.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.7)
 Area: 0.096 m2

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

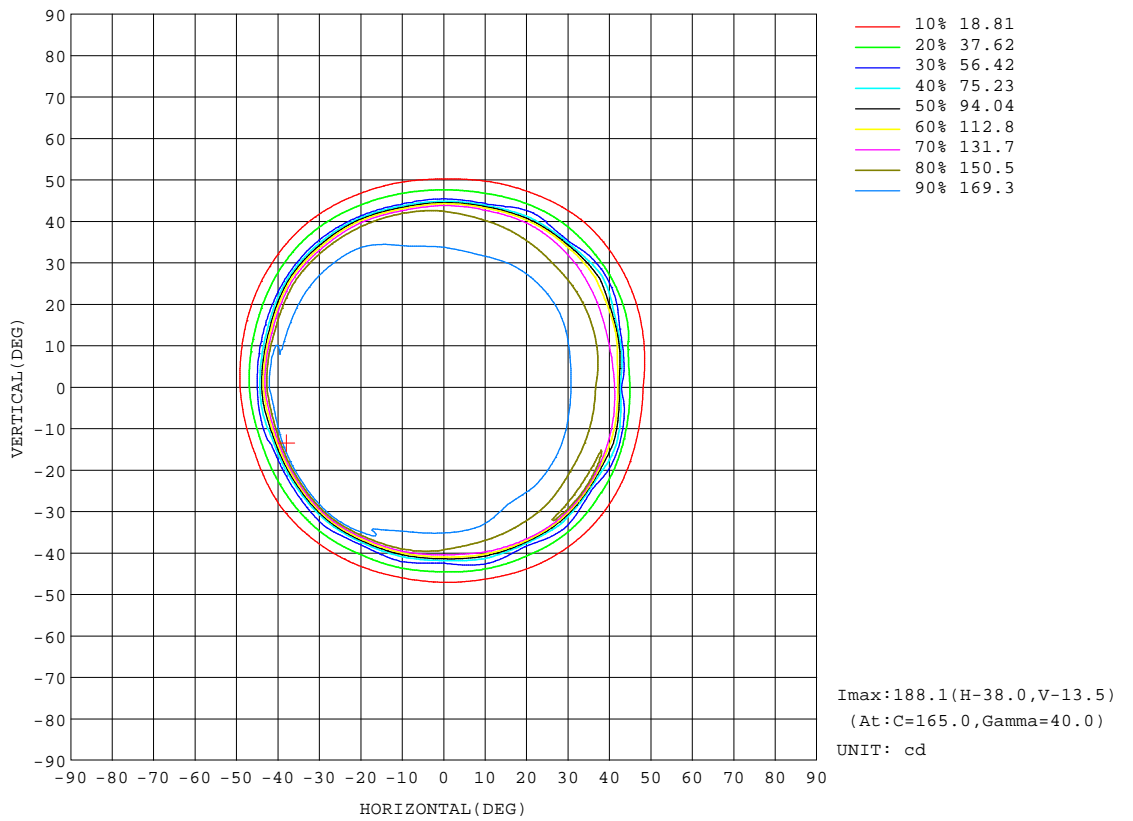
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 56 | 47 | 42 | 53 | 46 | 41 | 48 | 42 | 39 | 32 |
| 0.80 | 65 | 56 | 50 | 61 | 53 | 49 | 55 | 49 | 45 | 36 |
| 1.00 | 71 | 62 | 57 | 67 | 60 | 55 | 60 | 55 | 51 | 39 |
| 1.25 | 77 | 69 | 63 | 72 | 65 | 60 | 64 | 59 | 55 | 42 |
| 1.50 | 81 | 73 | 68 | 76 | 69 | 65 | 67 | 62 | 59 | 44 |
| 2.00 | 87 | 80 | 74 | 81 | 75 | 71 | 70 | 66 | 63 | 45 |
| 2.50 | 90 | 84 | 79 | 84 | 79 | 74 | 72 | 69 | 66 | 46 |
| 3.00 | 93 | 87 | 82 | 86 | 81 | 78 | 74 | 71 | 68 | 47 |
| 4.00 | 96 | 91 | 87 | 89 | 85 | 82 | 76 | 74 | 72 | 48 |
| 5.00 | 98 | 94 | 91 | 91 | 88 | 85 | 78 | 76 | 74 | 48 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

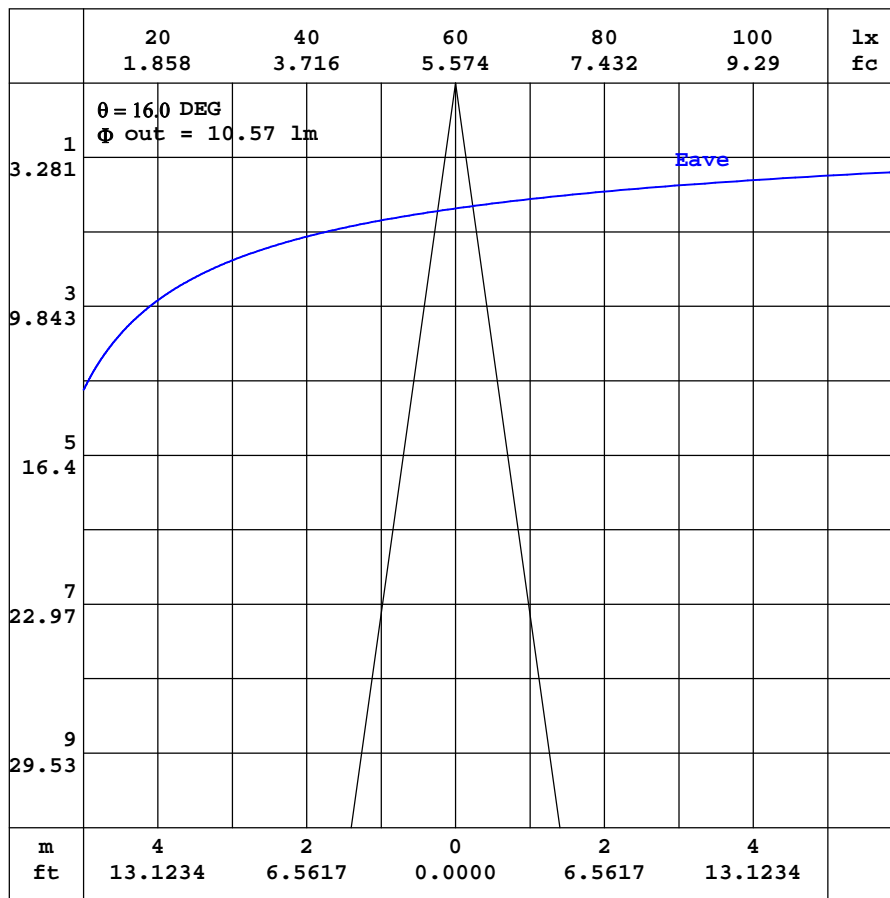


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

AAI CURVES

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



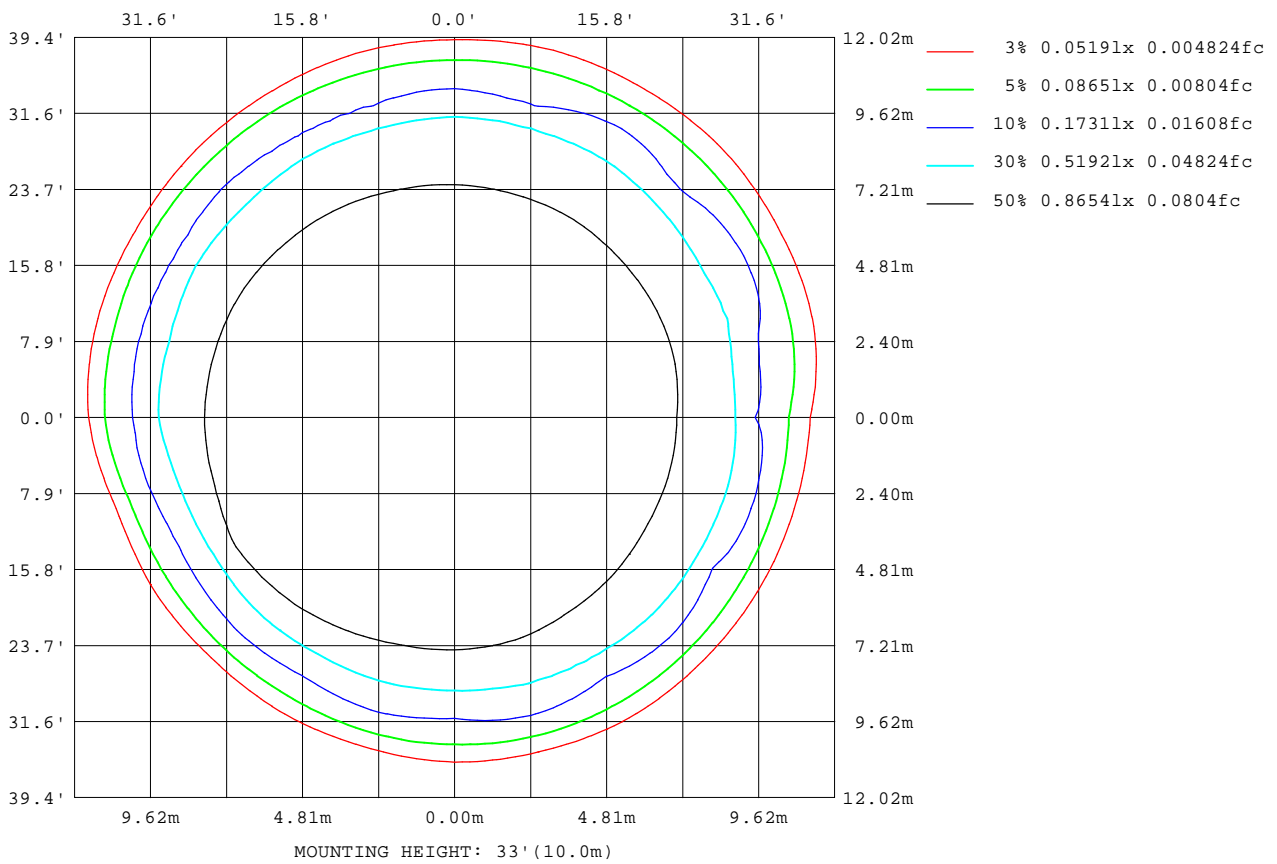
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

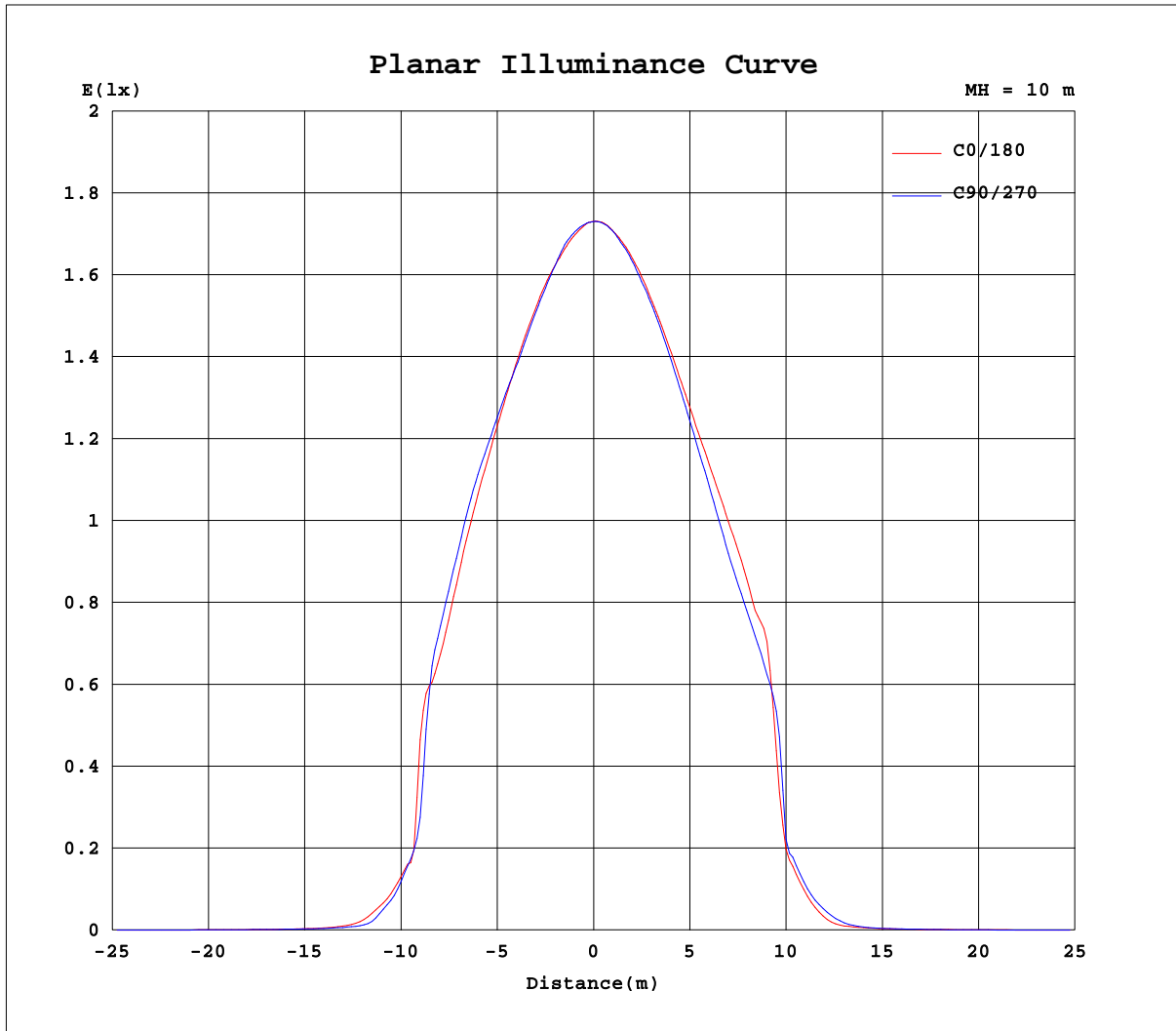
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 24 |
| L_0~180(75)av | 20 |
| L_0~180(85)av | 22 |
| L_90~270(65)av | 22 |
| L_90~270(75)av | 11 |
| L_90~270(85)av | 15 |
| L_45(65)av | 24 |
| L_45(75)av | 15 |
| L_45(85)av | 13 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 5 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 173 | 173 | 173 | 173 |
| 10 | 172 | 172 | 171 | 171 | 171 | 171 | 170 | 170 | 170 | 170 | 170 | 170 | 171 | 171 | 171 | 172 | 172 | 172 | 173 |
| 15 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 172 | 172 | 172 | 172 | 171 | 171 | 171 | 171 | 171 | 171 | 172 |
| 20 | 173 | 173 | 173 | 173 | 174 | 174 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 174 | 173 | 172 | 172 | 172 |
| 25 | 173 | 172 | 171 | 171 | 171 | 171 | 172 | 172 | 173 | 173 | 174 | 175 | 176 | 177 | 177 | 177 | 176 | 175 | 174 |
| 30 | 170 | 170 | 170 | 170 | 170 | 170 | 171 | 171 | 171 | 171 | 171 | 171 | 172 | 173 | 175 | 176 | 176 | 176 | 176 |
| 35 | 158 | 158 | 158 | 158 | 157 | 157 | 157 | 157 | 159 | 160 | 161 | 161 | 162 | 164 | 166 | 168 | 169 | 170 | 170 |
| 40 | 135 | 138 | 141 | 143 | 146 | 149 | 151 | 151 | 149 | 147 | 145 | 144 | 142 | 141 | 141 | 140 | 141 | 142 | 144 |
| 45 | 37.2 | 36.5 | 36.0 | 35.5 | 35.1 | 34.8 | 34.6 | 34.4 | 34.4 | 34.3 | 34.3 | 34.4 | 34.4 | 34.5 | 34.6 | 34.6 | 34.3 | 34.1 | 33.7 |
| 50 | 9.91 | 9.55 | 9.18 | 8.80 | 8.41 | 8.02 | 7.64 | 7.30 | 6.99 | 6.71 | 6.46 | 6.23 | 6.02 | 5.81 | 5.60 | 5.42 | 5.26 | 5.12 | 5.01 |
| 55 | 2.68 | 2.63 | 2.58 | 2.53 | 2.48 | 2.43 | 2.39 | 2.36 | 2.33 | 2.30 | 2.28 | 2.26 | 2.24 | 2.23 | 2.21 | 2.20 | 2.19 | 2.18 | 2.17 |
| 60 | 1.41 | 1.37 | 1.34 | 1.32 | 1.31 | 1.31 | 1.32 | 1.33 | 1.34 | 1.36 | 1.38 | 1.40 | 1.41 | 1.41 | 1.41 | 1.40 | 1.39 | 1.37 | 1.35 |
| 65 | 0.87 | 0.85 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.84 | 0.85 | 0.86 | 0.87 | 0.87 | 0.88 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.89 |
| 70 | 0.57 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.57 | 0.58 | 0.59 | 0.59 | 0.60 | 0.60 | 0.60 | 0.61 | 0.61 | 0.62 | 0.62 | 0.62 | 0.62 |
| 75 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 | 0.41 | 0.41 | 0.42 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 |
| 80 | 0.26 | 0.27 | 0.27 | 0.28 | 0.28 | 0.29 | 0.29 | 0.30 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 |
| 85 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 |
| 90 | 0.08 | 0.10 | 0.11 | 0.12 | 0.13 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.17 | 0.18 |
| 95 | 0.17 | 0.19 | 0.20 | 0.19 | 0.17 | 0.14 | 0.10 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.26 | 0.28 | 0.29 | 0.30 | 0.29 | 0.28 | 0.26 | 0.20 | 0.13 | 0.07 | 0.04 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.39 | 0.40 | 0.41 | 0.42 | 0.44 | 0.45 | 0.44 | 0.41 | 0.36 | 0.30 | 0.25 | 0.21 | 0.17 | 0.14 | 0.13 | 0.12 | 0.11 | 0.10 | 0.10 |
| 110 | 0.57 | 0.59 | 0.61 | 0.62 | 0.64 | 0.65 | 0.65 | 0.65 | 0.64 | 0.61 | 0.57 | 0.53 | 0.48 | 0.45 | 0.42 | 0.40 | 0.38 | 0.37 | 0.36 |
| 115 | 0.87 | 0.91 | 0.94 | 0.96 | 0.98 | 0.99 | 0.99 | 1.00 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.88 | 0.87 | 0.87 | 0.87 |
| 120 | 1.41 | 1.48 | 1.55 | 1.59 | 1.62 | 1.63 | 1.64 | 1.65 | 1.67 | 1.69 | 1.70 | 1.72 | 1.73 | 1.73 | 1.73 | 1.72 | 1.71 | 1.69 | 1.68 |
| 125 | 2.68 | 2.95 | 3.18 | 3.35 | 3.46 | 3.53 | 3.59 | 3.71 | 3.82 | 3.93 | 4.00 | 4.05 | 4.07 | 4.05 | 3.99 | 3.92 | 3.81 | 3.69 | 3.57 |
| 130 | 9.91 | 12.7 | 15.0 | 16.8 | 17.7 | 18.2 | 18.6 | 19.4 | 20.1 | 20.7 | 20.8 | 20.8 | 20.7 | 20.9 | 21.1 | 21.1 | 20.8 | 20.3 | 19.9 |
| 135 | 37.2 | 36.4 | 39.2 | 45.7 | 61.1 | 76.1 | 86.8 | 77.9 | 65.6 | 54.3 | 59.5 | 67.1 | 74.0 | 69.7 | 63.5 | 57.6 | 58.7 | 61.0 | 62.9 |
| 140 | 135 | 136 | 137 | 138 | 140 | 142 | 144 | 145 | 146 | 146 | 148 | 149 | 151 | 152 | 154 | 155 | 157 | 159 | 160 |
| 145 | 158 | 160 | 162 | 163 | 164 | 165 | 165 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 167 | 167 |
| 150 | 170 | 170 | 170 | 170 | 171 | 171 | 172 | 172 | 171 | 171 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 173 |
| 155 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 174 | 174 | 173 | 173 | 174 | 174 | 174 |
| 160 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| 165 | 173 | 173 | 173 | 172 | 172 | 173 | 173 | 173 | 173 | 173 | 173 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| 170 | 172 | 172 | 172 | 172 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 175 | 172 | 172 | 172 | 172 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 180 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 5 | 173 | 173 | 173 | 173 | 173 | 173 | 174 | 174 | 174 | 174 | 174 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 10 | 173 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| 15 | 173 | 174 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 20 | 173 | 175 | 176 | 177 | 177 | 177 | 177 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 177 | 177 | 176 | 176 | 176 |
| 25 | 175 | 176 | 178 | 178 | 179 | 179 | 178 | 177 | 176 | 177 | 177 | 178 | 178 | 179 | 178 | 178 | 178 | 178 | 178 |
| 30 | 177 | 177 | 178 | 179 | 180 | 180 | 179 | 178 | 178 | 178 | 180 | 181 | 181 | 181 | 181 | 181 | 180 | 180 | 180 |
| 35 | 170 | 171 | 172 | 174 | 176 | 177 | 178 | 178 | 179 | 180 | 181 | 181 | 181 | 181 | 181 | 181 | 182 | 182 | 182 |
| 40 | 147 | 151 | 155 | 157 | 158 | 161 | 167 | 174 | 180 | 181 | 180 | 180 | 184 | 187 | 189 | 185 | 179 | 174 | 171 |
| 45 | 33.4 | 33.1 | 32.8 | 32.2 | 31.8 | 31.5 | 31.8 | 32.3 | 33.0 | 33.7 | 34.6 | 35.9 | 37.5 | 39.7 | 42.5 | 47.2 | 51.9 | 55.9 | 57.0 |
| 50 | 4.92 | 4.85 | 4.81 | 4.81 | 4.83 | 4.88 | 4.94 | 5.02 | 5.12 | 5.24 | 5.39 | 5.59 | 5.58 | 5.81 | 6.50 | 8.58 | 10.9 | 13.1 | 14.3 |
| 55 | 2.17 | 2.17 | 2.17 | 2.17 | 2.18 | 2.19 | 2.21 | 2.22 | 2.25 | 2.28 | 2.31 | 2.35 | 2.36 | 2.40 | 2.46 | 2.65 | 2.84 | 3.01 | 3.04 |
| 60 | 1.33 | 1.32 | 1.30 | 1.28 | 1.27 | 1.27 | 1.29 | 1.31 | 1.33 | 1.36 | 1.39 | 1.42 | 1.44 | 1.45 | 1.48 | 1.53 | 1.59 | 1.63 | 1.62 |
| 65 | 0.88 | 0.87 | 0.86 | 0.85 | 0.85 | 0.85 | 0.86 | 0.88 | 0.90 | 0.92 | 0.94 | 0.96 | 0.98 | 0.99 | 1.00 | 1.02 | 1.04 | 1.06 | 1.05 |
| 70 | 0.62 | 0.61 | 0.61 | 0.60 | 0.59 | 0.59 | 0.60 | 0.61 | 0.63 | 0.64 | 0.66 | 0.68 | 0.69 | 0.70 | 0.71 | 0.72 | 0.74 | 0.75 | 0.74 |
| 75 | 0.45 | 0.45 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 | 0.43 | 0.44 | 0.45 | 0.46 | 0.47 | 0.48 | 0.48 | 0.49 | 0.53 | 0.56 | 0.59 | 0.59 |
| 80 | 0.34 | 0.33 | 0.33 | 0.32 | 0.31 | 0.30 | 0.30 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.35 | 0.37 | 0.39 | 0.40 |
| 85 | 0.25 | 0.24 | 0.24 | 0.23 | 0.22 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 |
| 90 | 0.18 | 0.18 | 0.17 | 0.17 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.13 | 0.12 | 0.10 | 0.08 | 0.05 | 0.04 | 0.04 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.05 | 0.09 | 0.13 | 0.17 | 0.18 | 0.19 | 0.20 | 0.20 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.05 | 0.10 | 0.17 | 0.23 | 0.29 | 0.34 | 0.38 | 0.39 | 0.40 | 0.39 | 0.37 |
| 105 | 0.10 | 0.10 | 0.11 | 0.12 | 0.13 | 0.15 | 0.19 | 0.23 | 0.28 | 0.35 | 0.43 | 0.49 | 0.52 | 0.54 | 0.55 | 0.57 | 0.59 | 0.59 | 0.56 |
| 110 | 0.36 | 0.37 | 0.38 | 0.41 | 0.44 | 0.47 | 0.52 | 0.56 | 0.61 | 0.66 | 0.70 | 0.74 | 0.74 | 0.74 | 0.73 | 0.74 | 0.74 | 0.75 | 0.74 |
| 115 | 0.88 | 0.89 | 0.91 | 0.92 | 0.94 | 0.97 | 1.01 | 1.05 | 1.08 | 1.08 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.03 | 1.05 | 1.06 | 1.04 |
| 120 | 1.67 | 1.66 | 1.66 | 1.67 | 1.68 | 1.69 | 1.69 | 1.69 | 1.68 | 1.67 | 1.65 | 1.62 | 1.60 | 1.58 | 1.57 | 1.59 | 1.62 | 1.63 | 1.59 |
| 125 | 3.48 | 3.41 | 3.35 | 3.27 | 3.20 | 3.14 | 3.10 | 3.07 | 3.05 | 3.03 | 3.02 | 3.01 | 3.01 | 3.00 | 3.00 | 3.03 | 3.04 | 3.01 | 2.84 |
| 130 | 19.9 | 19.9 | 19.7 | 19.2 | 18.5 | 17.9 | 17.5 | 17.2 | 16.9 | 16.3 | 15.7 | 15.3 | 15.4 | 15.5 | 15.6 | 15.1 | 14.3 | 13.1 | 10.9 |
| 135 | 60.4 | 57.2 | 54.3 | 54.4 | 55.3 | 56.5 | 57.2 | 57.8 | 58.2 | 58.2 | 58.1 | 57.8 | 57.6 | 57.3 | 57.0 | 57.2 | 57.0 | 55.9 | 51.9 |
| 140 | 161 | 162 | 163 | 164 | 165 | 166 | 166 | 166 | 166 | 166 | 166 | 167 | 167 | 167 | 168 | 169 | 171 | 174 | 179 |
| 145 | 168 | 168 | 169 | 170 | 172 | 173 | 174 | 175 | 176 | 178 | 179 | 180 | 180 | 181 | 181 | 181 | 181 | 182 | 182 |
| 150 | 173 | 173 | 174 | 174 | 175 | 175 | 176 | 176 | 177 | 177 | 178 | 178 | 179 | 179 | 179 | 180 | 180 | 180 | 180 |
| 155 | 174 | 175 | 175 | 175 | 175 | 176 | 176 | 176 | 176 | 176 | 176 | 177 | 177 | 177 | 177 | 177 | 178 | 178 | 178 |
| 160 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 |
| 165 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 170 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| 175 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 180 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | 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 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 5 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 10 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 15 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| 20 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 174 | 174 |
| 25 | 177 | 177 | 177 | 177 | 177 | 176 | 176 | 176 | 176 | 176 | 176 | 175 | 175 | 175 | 175 | 174 | 174 | 174 | 174 |
| 30 | 180 | 179 | 179 | 179 | 178 | 178 | 177 | 177 | 176 | 176 | 175 | 175 | 174 | 174 | 173 | 173 | 173 | 172 | 172 |
| 35 | 181 | 181 | 181 | 180 | 180 | 179 | 178 | 176 | 175 | 174 | 173 | 172 | 170 | 169 | 168 | 168 | 167 | 167 | 166 |
| 40 | 169 | 168 | 167 | 167 | 167 | 166 | 166 | 166 | 166 | 166 | 166 | 165 | 164 | 163 | 162 | 161 | 160 | 159 | 157 |
| 45 | 57.2 | 57.0 | 57.3 | 57.6 | 57.8 | 58.1 | 58.2 | 58.2 | 57.8 | 57.2 | 56.5 | 55.3 | 54.4 | 54.3 | 57.2 | 60.4 | 62.9 | 61.0 | 58.7 |
| 50 | 15.1 | 15.6 | 15.5 | 15.4 | 15.3 | 15.7 | 16.3 | 16.9 | 17.2 | 17.5 | 17.9 | 18.5 | 19.2 | 19.7 | 19.9 | 19.9 | 19.9 | 20.3 | 20.8 |
| 55 | 3.03 | 3.00 | 3.00 | 3.01 | 3.01 | 3.02 | 3.03 | 3.05 | 3.07 | 3.10 | 3.14 | 3.20 | 3.27 | 3.35 | 3.41 | 3.48 | 3.57 | 3.69 | 3.81 |
| 60 | 1.59 | 1.57 | 1.58 | 1.60 | 1.62 | 1.65 | 1.67 | 1.68 | 1.69 | 1.69 | 1.69 | 1.68 | 1.67 | 1.66 | 1.66 | 1.67 | 1.68 | 1.69 | 1.71 |
| 65 | 1.03 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.08 | 1.08 | 1.05 | 1.01 | 0.97 | 0.94 | 0.92 | 0.91 | 0.89 | 0.88 | 0.87 | 0.87 | 0.87 |
| 70 | 0.74 | 0.73 | 0.74 | 0.74 | 0.74 | 0.70 | 0.66 | 0.61 | 0.56 | 0.52 | 0.47 | 0.44 | 0.41 | 0.38 | 0.37 | 0.36 | 0.36 | 0.37 | 0.38 |
| 75 | 0.57 | 0.55 | 0.54 | 0.52 | 0.49 | 0.43 | 0.35 | 0.28 | 0.23 | 0.19 | 0.15 | 0.13 | 0.12 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 |
| 80 | 0.39 | 0.38 | 0.34 | 0.29 | 0.23 | 0.17 | 0.10 | 0.05 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 0.18 | 0.17 | 0.13 | 0.09 | 0.05 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.05 | 0.06 | 0.05 | 0.04 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.22 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 | 0.24 |
| 100 | 0.35 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.31 | 0.32 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 |
| 105 | 0.53 | 0.49 | 0.48 | 0.48 | 0.47 | 0.46 | 0.45 | 0.44 | 0.43 | 0.42 | 0.42 | 0.43 | 0.43 | 0.44 | 0.45 | 0.45 | 0.46 | 0.46 | 0.45 |
| 110 | 0.72 | 0.71 | 0.70 | 0.69 | 0.68 | 0.66 | 0.64 | 0.63 | 0.61 | 0.60 | 0.59 | 0.59 | 0.60 | 0.61 | 0.61 | 0.62 | 0.62 | 0.62 | 0.62 |
| 115 | 1.02 | 1.00 | 0.99 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.85 | 0.85 | 0.85 | 0.86 | 0.87 | 0.88 | 0.89 | 0.90 | 0.90 |
| 120 | 1.53 | 1.48 | 1.45 | 1.44 | 1.42 | 1.39 | 1.36 | 1.33 | 1.31 | 1.29 | 1.27 | 1.27 | 1.28 | 1.30 | 1.32 | 1.33 | 1.35 | 1.37 | 1.39 |
| 125 | 2.65 | 2.46 | 2.40 | 2.36 | 2.35 | 2.31 | 2.28 | 2.25 | 2.22 | 2.21 | 2.19 | 2.18 | 2.17 | 2.17 | 2.17 | 2.17 | 2.17 | 2.18 | 2.19 |
| 130 | 8.58 | 6.50 | 5.81 | 5.58 | 5.59 | 5.39 | 5.24 | 5.12 | 5.02 | 4.94 | 4.88 | 4.83 | 4.81 | 4.81 | 4.85 | 4.92 | 5.01 | 5.12 | 5.26 |
| 135 | 47.2 | 42.5 | 39.7 | 37.5 | 35.9 | 34.6 | 33.7 | 33.0 | 32.3 | 31.8 | 31.5 | 31.8 | 32.2 | 32.8 | 33.1 | 33.4 | 33.7 | 34.1 | 34.3 |
| 140 | 185 | 189 | 187 | 184 | 180 | 180 | 181 | 180 | 174 | 167 | 161 | 158 | 157 | 155 | 151 | 147 | 144 | 142 | 141 |
| 145 | 181 | 181 | 181 | 181 | 181 | 181 | 181 | 180 | 179 | 178 | 178 | 177 | 176 | 174 | 172 | 171 | 170 | 170 | 169 |
| 150 | 181 | 181 | 181 | 181 | 181 | 180 | 178 | 178 | 178 | 179 | 180 | 180 | 179 | 178 | 177 | 177 | 176 | 176 | 176 |
| 155 | 178 | 178 | 179 | 178 | 178 | 177 | 177 | 176 | 177 | 178 | 179 | 179 | 178 | 178 | 176 | 175 | 174 | 175 | 176 |
| 160 | 177 | 177 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 177 | 177 | 177 | 177 | 176 | 175 | 173 | 172 | 172 | 172 |
| 165 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 173 | 172 | 171 | 171 |
| 170 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 173 | 173 | 172 | 172 |
| 175 | 173 | 173 | 173 | 173 | 173 | 174 | 174 | 174 | 174 | 174 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 180 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.0982A P:11.426W PF:0.9700 Freq:50.00Hz Lamp Flux:308.292x2 lm | | |
| NAME: SES-WL225 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--4

UNIT: cd

| C(DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | | | | |
| 5 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 172 | 172 | 172 | | | | |
| 10 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 172 | 172 | 172 | | | | |
| 15 | 174 | 174 | 174 | 174 | 174 | 173 | 173 | 173 | 173 | 173 | 173 | 172 | 172 | 173 | 173 | | | | |
| 20 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | | | | |
| 25 | 173 | 173 | 174 | 174 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | | | | |
| 30 | 172 | 172 | 172 | 172 | 172 | 172 | 171 | 171 | 172 | 172 | 171 | 171 | 170 | 170 | 170 | | | | |
| 35 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 165 | 165 | 164 | 163 | 162 | 160 | | | | |
| 40 | 155 | 154 | 152 | 151 | 149 | 148 | 146 | 146 | 145 | 144 | 142 | 140 | 138 | 137 | 136 | | | | |
| 45 | 57.6 | 63.5 | 69.7 | 74.0 | 67.1 | 59.5 | 54.3 | 65.6 | 77.9 | 86.8 | 76.1 | 61.1 | 45.7 | 39.2 | 36.4 | | | | |
| 50 | 21.1 | 21.1 | 20.9 | 20.7 | 20.8 | 20.8 | 20.7 | 20.1 | 19.4 | 18.6 | 18.2 | 17.7 | 16.8 | 15.0 | 12.7 | | | | |
| 55 | 3.92 | 3.99 | 4.05 | 4.07 | 4.05 | 4.00 | 3.93 | 3.82 | 3.71 | 3.59 | 3.53 | 3.46 | 3.35 | 3.18 | 2.95 | | | | |
| 60 | 1.72 | 1.73 | 1.73 | 1.73 | 1.72 | 1.70 | 1.69 | 1.67 | 1.65 | 1.64 | 1.63 | 1.62 | 1.59 | 1.55 | 1.48 | | | | |
| 65 | 0.88 | 0.89 | 0.91 | 0.93 | 0.96 | 0.98 | 1.00 | 1.01 | 1.00 | 0.99 | 0.99 | 0.98 | 0.96 | 0.94 | 0.91 | | | | |
| 70 | 0.40 | 0.42 | 0.45 | 0.48 | 0.53 | 0.57 | 0.61 | 0.64 | 0.65 | 0.65 | 0.65 | 0.64 | 0.62 | 0.61 | 0.59 | | | | |
| 75 | 0.12 | 0.13 | 0.14 | 0.17 | 0.21 | 0.25 | 0.30 | 0.36 | 0.41 | 0.44 | 0.45 | 0.44 | 0.42 | 0.41 | 0.40 | | | | |
| 80 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.04 | 0.07 | 0.13 | 0.20 | 0.26 | 0.28 | 0.29 | 0.30 | 0.29 | 0.28 | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.10 | 0.14 | 0.17 | 0.19 | 0.20 | 0.19 | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.08 | 0.10 | 0.11 | 0.10 | 0.10 | | | | |
| 95 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.20 | 0.20 | 0.19 | 0.19 | 0.18 | | | | |
| 100 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.30 | 0.29 | 0.29 | 0.28 | 0.28 | 0.27 | 0.27 | | | | |
| 105 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.42 | 0.41 | 0.41 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | | | | |
| 110 | 0.62 | 0.61 | 0.61 | 0.60 | 0.60 | 0.60 | 0.59 | 0.59 | 0.58 | 0.57 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | | | | |
| 115 | 0.90 | 0.90 | 0.89 | 0.88 | 0.87 | 0.87 | 0.86 | 0.85 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.84 | 0.85 | | | | |
| 120 | 1.40 | 1.41 | 1.41 | 1.41 | 1.40 | 1.38 | 1.36 | 1.34 | 1.33 | 1.32 | 1.31 | 1.31 | 1.32 | 1.34 | 1.37 | | | | |
| 125 | 2.20 | 2.21 | 2.23 | 2.24 | 2.26 | 2.28 | 2.30 | 2.33 | 2.36 | 2.39 | 2.43 | 2.48 | 2.53 | 2.58 | 2.63 | | | | |
| 130 | 5.42 | 5.60 | 5.81 | 6.02 | 6.23 | 6.46 | 6.71 | 6.99 | 7.30 | 7.64 | 8.02 | 8.41 | 8.80 | 9.18 | 9.55 | | | | |
| 135 | 34.6 | 34.6 | 34.5 | 34.4 | 34.4 | 34.3 | 34.3 | 34.4 | 34.4 | 34.6 | 34.8 | 35.1 | 35.5 | 36.0 | 36.5 | | | | |
| 140 | 140 | 141 | 141 | 142 | 144 | 145 | 147 | 149 | 151 | 151 | 149 | 146 | 143 | 141 | 138 | | | | |
| 145 | 168 | 166 | 164 | 162 | 161 | 161 | 160 | 159 | 157 | 157 | 157 | 157 | 158 | 158 | 158 | | | | |
| 150 | 176 | 175 | 173 | 172 | 171 | 171 | 171 | 171 | 171 | 171 | 170 | 170 | 170 | 170 | 170 | | | | |
| 155 | 177 | 177 | 177 | 176 | 175 | 174 | 173 | 173 | 172 | 172 | 171 | 171 | 171 | 171 | 172 | | | | |
| 160 | 173 | 174 | 174 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 174 | 174 | 173 | 173 | 173 | | | | |
| 165 | 171 | 171 | 171 | 171 | 172 | 172 | 172 | 172 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | | | | |
| 170 | 172 | 171 | 171 | 171 | 170 | 170 | 170 | 170 | 170 | 170 | 171 | 171 | 171 | 171 | 172 | | | | |
| 175 | 173 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | | | | |
| 180 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks: