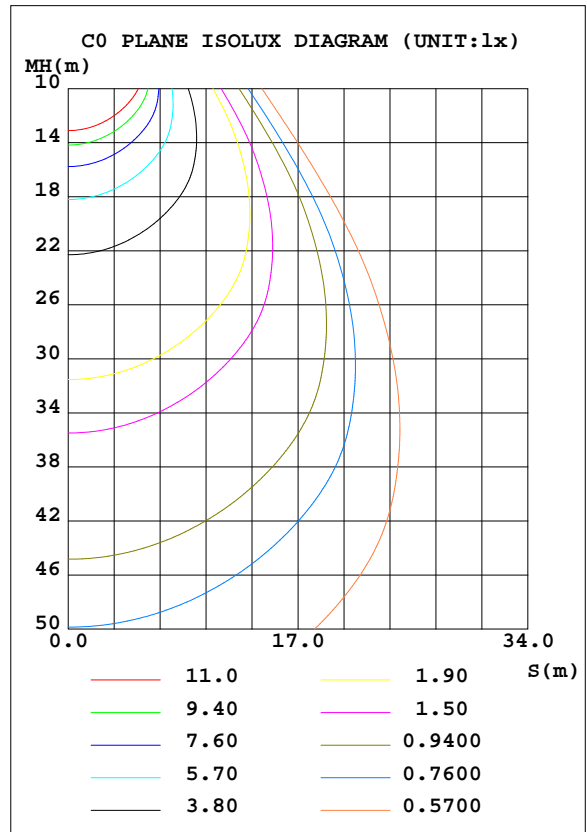
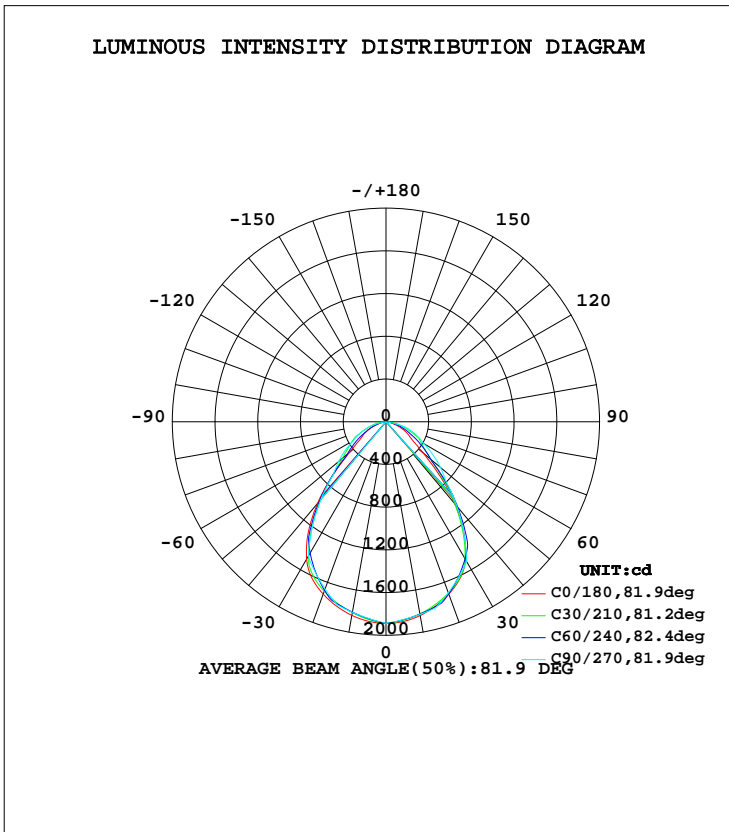


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 113.15 lm/W | | | |
|------------------|---------------------|-----------------------------------|--------|--------------------|-----------|
| MODEL | IL-PN195U(S) 3.000K | Imax(cd) | 1889 | S/MH(C0/180) | 1.17 |
| NOMINAL POWER(W) | 32 | LOR(%) | 100.0 | S/MH(C90/270) | 1.15 |
| RATED VOLTAGE(V) | 230.0 | TOTAL FLUX(lm) | 3516.0 | η UP, DN(C0-180) | 0.0, 51.2 |
| NOMINAL FLUX(lm) | 3516.02 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0, 48.8 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 230.0 | η down(%) | 100.0 | CIBSE SHR MAX | 1.25 |



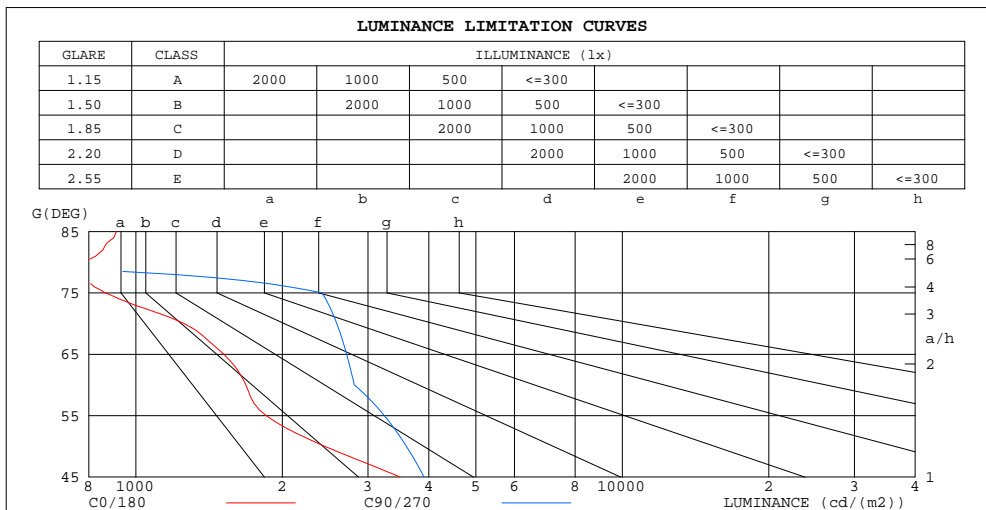
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | #lum,lamp |
|-----|-----------------------|-------|-------|-------|--------|-------|-------|-------|---------|---------|---------|-----------|
| 5 | 1877 | 1863 | 1860 | 1862 | 1875 | 1855 | 1850 | 1856 | 0- 5 | 44.74 | 44.74 | 1.27,1.27 |
| 10 | 1843 | 1827 | 1832 | 1826 | 1840 | 1811 | 1812 | 1813 | 5- 10 | 131.7 | 176.5 | 5.02,5.02 |
| 15 | 1788 | 1782 | 1803 | 1782 | 1788 | 1760 | 1773 | 1761 | 10- 15 | 213.5 | 389.9 | 11.1,11.1 |
| 20 | 1718 | 1727 | 1705 | 1730 | 1718 | 1702 | 1668 | 1700 | 15- 20 | 286.6 | 676.5 | 19.2,19.2 |
| 25 | 1629 | 1611 | 1607 | 1612 | 1628 | 1575 | 1562 | 1574 | 20- 25 | 345.6 | 1022 | 29.1,29.1 |
| 30 | 1491 | 1458 | 1509 | 1460 | 1486 | 1410 | 1456 | 1408 | 25- 30 | 386.7 | 1409 | 40.1,40.1 |
| 35 | 1273 | 1274 | 1271 | 1276 | 1270 | 1209 | 1202 | 1206 | 30- 35 | 399.2 | 1808 | 51.4,51.4 |
| 40 | 1003 | 1055 | 1033 | 1057 | 996.3 | 974.9 | 948.5 | 970.9 | 35- 40 | 374.0 | 2182 | 62.1,62.1 |
| 45 | 709.7 | 798.3 | 795.4 | 800.4 | 698.7 | 730.2 | 694.7 | 737.0 | 40- 45 | 320.2 | 2502 | 71.2,71.2 |
| 50 | 452.1 | 586.3 | 665.0 | 588.7 | 445.2 | 534.1 | 580.0 | 548.8 | 45- 50 | 256.0 | 2758 | 78.4,78.4 |
| 55 | 305.5 | 429.6 | 534.7 | 427.1 | 306.2 | 382.0 | 465.4 | 401.1 | 50- 55 | 206.4 | 2965 | 84.3,84.3 |
| 60 | 242.0 | 346.2 | 404.3 | 345.7 | 244.8 | 304.5 | 350.7 | 320.4 | 55- 60 | 168.7 | 3133 | 89.1,89.1 |
| 65 | 184.2 | 268.2 | 329.4 | 272.2 | 186.8 | 253.7 | 278.6 | 265.4 | 60- 65 | 136.7 | 3270 | 93,93 |
| 70 | 123.6 | 201.0 | 254.6 | 203.3 | 123.9 | 204.9 | 206.5 | 215.3 | 65- 70 | 106.3 | 3376 | 96,96 |
| 75 | 64.44 | 158.4 | 179.7 | 158.8 | 66.39 | 148.9 | 134.4 | 159.5 | 70- 75 | 77.30 | 3454 | 98.2,98.2 |
| 80 | 39.15 | 105.0 | 0 | 104.3 | 42.45 | 85.59 | 0 | 93.16 | 75- 80 | 45.80 | 3499 | 99.5,99.5 |
| 85 | 22.85 | 0 | 0 | 0 | 23.93 | 0 | 0 | 0 | 80- 85 | 14.88 | 3514 | 100,100 |
| 90 | 0.4399 | 0 | 0 | 0 | 0.5050 | 0 | 0 | 0 | 85- 90 | 1.729 | 3516 | 100,100 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 912 | 0 |
| 80 | 784 | 0 |
| 75 | 866 | 2415 |
| 70 | 1257 | 2589 |
| 65 | 1516 | 2711 |
| 60 | 1684 | 2813 |
| 55 | 1853 | 3242 |
| 50 | 2446 | 3599 |
| 45 | 3491 | 3913 |

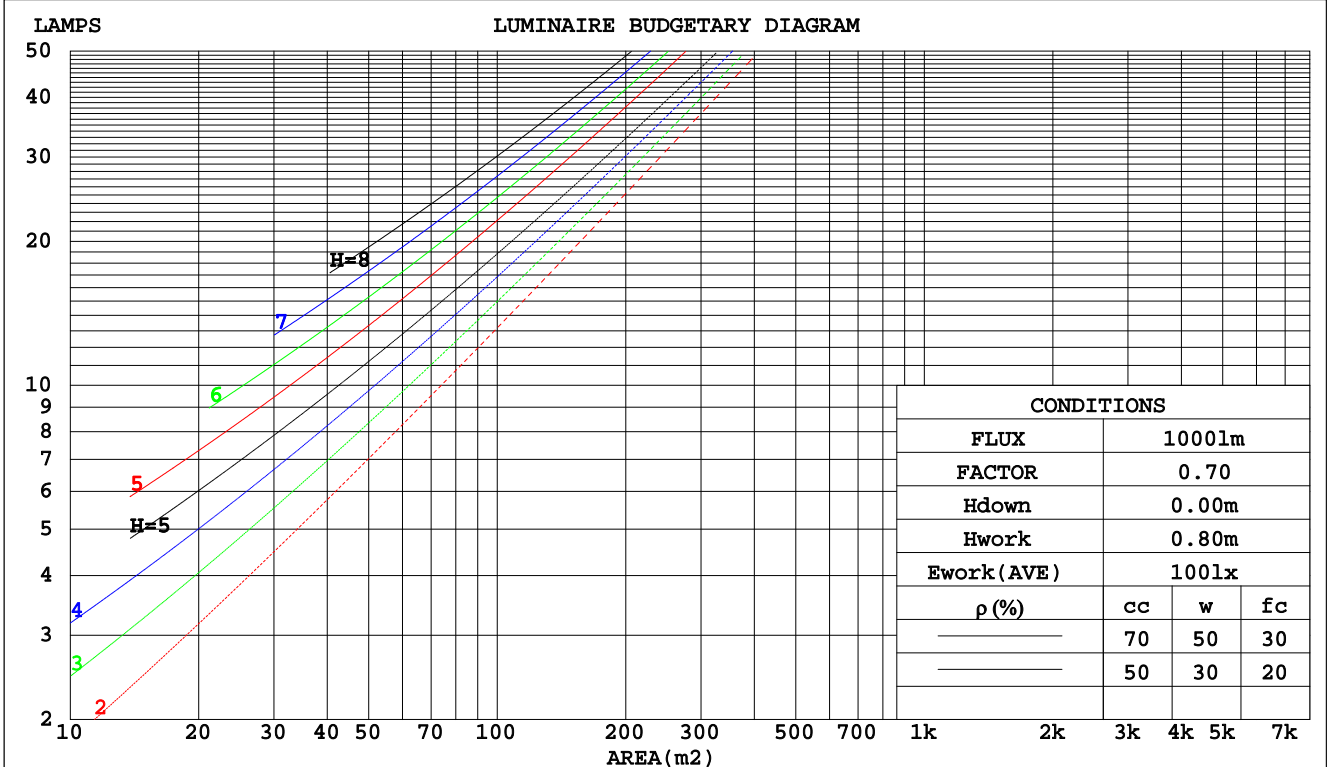
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-06-21

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.420m [K=1.0000]
Remarks: IL-PN195U(S) 3.000K 32W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.07 | 1.03 | 1.00 | 1.05 | 1.02 | .99 | 1.01 | .98 | .96 | .97 | .95 | .93 | .93 | .92 | .90 | .88 |
| 2.0 | .96 | .90 | .85 | .94 | .89 | .84 | .90 | .86 | .82 | .87 | .84 | .80 | .84 | .81 | .79 | .77 |
| 3.0 | .86 | .79 | .73 | .84 | .78 | .73 | .82 | .76 | .72 | .79 | .74 | .70 | .77 | .73 | .69 | .67 |
| 4.0 | .78 | .70 | .64 | .76 | .69 | .64 | .74 | .68 | .63 | .72 | .66 | .62 | .70 | .65 | .61 | .59 |
| 5.0 | .71 | .63 | .57 | .69 | .62 | .57 | .67 | .61 | .56 | .66 | .60 | .55 | .64 | .59 | .55 | .53 |
| 6.0 | .64 | .56 | .51 | .64 | .56 | .51 | .62 | .55 | .50 | .60 | .54 | .50 | .59 | .53 | .49 | .48 |
| 7.0 | .59 | .51 | .46 | .58 | .51 | .46 | .57 | .50 | .45 | .55 | .49 | .45 | .54 | .49 | .45 | .43 |
| 8.0 | .54 | .47 | .41 | .54 | .46 | .41 | .53 | .46 | .41 | .51 | .45 | .41 | .50 | .45 | .41 | .39 |
| 9.0 | .50 | .43 | .38 | .50 | .43 | .38 | .49 | .42 | .38 | .48 | .42 | .37 | .47 | .41 | .37 | .36 |
| 10.0 | .47 | .40 | .35 | .46 | .39 | .35 | .45 | .39 | .35 | .45 | .39 | .34 | .44 | .38 | .34 | .33 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

WEC AND CCEC

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .251 | .142 | .045 | .244 | .139 | .044 | .231 | .132 | .042 | .219 | .126 | .040 | .208 | .120 | .039 | |
| 2.0 | .241 | .132 | .041 | .235 | .130 | .040 | .224 | .125 | .039 | .214 | .120 | .038 | .204 | .116 | .036 | |
| 3.0 | .228 | .121 | .036 | .222 | .119 | .036 | .213 | .115 | .035 | .204 | .112 | .034 | .195 | .108 | .033 | |
| 4.0 | .214 | .111 | .033 | .209 | .109 | .032 | .200 | .106 | .032 | .192 | .103 | .031 | .185 | .100 | .031 | |
| 5.0 | .200 | .102 | .030 | .196 | .101 | .029 | .189 | .098 | .029 | .181 | .096 | .028 | .175 | .093 | .028 | |
| 6.0 | .188 | .094 | .027 | .184 | .093 | .027 | .178 | .091 | .026 | .171 | .089 | .026 | .165 | .087 | .026 | |
| 7.0 | .177 | .087 | .025 | .174 | .087 | .025 | .168 | .085 | .024 | .162 | .083 | .024 | .157 | .081 | .024 | |
| 8.0 | .167 | .082 | .023 | .164 | .081 | .023 | .159 | .079 | .023 | .153 | .078 | .022 | .149 | .076 | .022 | |
| 9.0 | .158 | .076 | .021 | .155 | .076 | .021 | .150 | .074 | .021 | .146 | .073 | .021 | .141 | .072 | .021 | |
| 10.0 | .149 | .072 | .020 | .147 | .071 | .020 | .143 | .070 | .020 | .138 | .069 | .020 | .135 | .068 | .019 | |

| 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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .176 | .157 | .139 | .151 | .134 | .120 | .103 | .092 | .083 | .059 | .054 | .048 | .019 | .017 | .016 | |
| 2.0 | .166 | .132 | .104 | .142 | .114 | .090 | .097 | .079 | .063 | .056 | .046 | .037 | .018 | .015 | .012 | |
| 3.0 | .156 | .114 | .080 | .134 | .098 | .070 | .092 | .068 | .049 | .053 | .040 | .029 | .017 | .013 | .009 | |
| 4.0 | .148 | .100 | .064 | .127 | .087 | .055 | .087 | .060 | .039 | .051 | .035 | .023 | .016 | .012 | .008 | |
| 5.0 | .141 | .089 | .052 | .121 | .077 | .045 | .083 | .054 | .032 | .048 | .032 | .019 | .016 | .010 | .006 | |
| 6.0 | .134 | .081 | .043 | .115 | .070 | .037 | .079 | .049 | .026 | .046 | .029 | .016 | .015 | .009 | .005 | |
| 7.0 | .127 | .074 | .036 | .109 | .064 | .032 | .076 | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 | |
| 8.0 | .121 | .068 | .031 | .104 | .059 | .027 | .072 | .041 | .019 | .042 | .024 | .011 | .014 | .008 | .004 | |
| 9.0 | .116 | .063 | .027 | .100 | .055 | .024 | .069 | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 | |
| 10.0 | .110 | .059 | .024 | .095 | .051 | .021 | .066 | .036 | .015 | .039 | .021 | .009 | .012 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|---------------|----------------|------|-------------------|------|------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | | | | | | | | | |
| NAME: IL-PN195U(S) 3.000K | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: EVERFINE | | | | | SUR.:250*1150 | | | PROTECTION 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 | 15.1 | 16.4 | 15.3 | 16.6 | 16.8 | 16.0 | 17.3 | 16.3 | 17.5 | 17.7 |
| 3H | 15.7 | 16.9 | 16.0 | 17.1 | 17.3 | 17.1 | 18.3 | 17.4 | 18.5 | 18.7 |
| 4H | 15.8 | 17.0 | 16.1 | 17.2 | 17.5 | 17.6 | 18.7 | 17.9 | 19.0 | 19.2 |
| 6H | 15.9 | 17.0 | 16.2 | 17.3 | 17.5 | 17.7 | 18.7 | 18.0 | 19.0 | 19.3 |
| 8H | 16.0 | 17.0 | 16.3 | 17.3 | 17.6 | 17.6 | 18.6 | 17.9 | 18.9 | 19.2 |
| 12H | 16.0 | 17.0 | 16.3 | 17.3 | 17.6 | 17.6 | 18.5 | 17.9 | 18.8 | 19.1 |
| 4H 2H | 15.6 | 16.7 | 15.9 | 16.9 | 17.2 | 16.3 | 17.4 | 16.6 | 17.7 | 17.9 |
| 3H | 16.5 | 17.5 | 16.9 | 17.8 | 18.1 | 17.5 | 18.4 | 17.8 | 18.7 | 19.0 |
| 4H | 16.9 | 17.8 | 17.3 | 18.1 | 18.5 | 18.0 | 18.9 | 18.4 | 19.2 | 19.5 |
| 6H | 17.2 | 18.0 | 17.6 | 18.4 | 18.7 | 18.1 | 18.9 | 18.5 | 19.2 | 19.6 |
| 8H | 17.3 | 18.1 | 17.7 | 18.4 | 18.8 | 18.0 | 18.8 | 18.4 | 19.1 | 19.5 |
| 12H | 17.4 | 18.1 | 17.8 | 18.5 | 18.9 | 18.0 | 18.7 | 18.4 | 19.0 | 19.4 |
| 8H 4H | 17.2 | 18.0 | 17.6 | 18.3 | 18.7 | 18.1 | 18.9 | 18.5 | 19.2 | 19.6 |
| 6H | 17.8 | 18.4 | 18.2 | 18.8 | 19.2 | 18.2 | 18.8 | 18.7 | 19.2 | 19.7 |
| 8H | 18.0 | 18.6 | 18.5 | 19.0 | 19.5 | 18.2 | 18.7 | 18.6 | 19.1 | 19.6 |
| 12H | 18.3 | 18.8 | 18.8 | 19.2 | 19.7 | 18.1 | 18.6 | 18.6 | 19.1 | 19.5 |
| 12H 4H | 17.2 | 17.9 | 17.6 | 18.2 | 18.6 | 18.2 | 18.8 | 18.6 | 19.2 | 19.6 |
| 6H | 17.8 | 18.3 | 18.2 | 18.7 | 19.2 | 18.3 | 18.8 | 18.7 | 19.2 | 19.7 |
| 8H | 18.1 | 18.5 | 18.5 | 19.0 | 19.4 | 18.2 | 18.7 | 18.7 | 19.1 | 19.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.6 | | | | | + 0.4 / - 0.5 | | | | |
| 1.5H | + 0.5 / - 0.6 | | | | | + 0.4 / - 0.4 | | | | |
| 2.0H | + 0.7 / - 1.1 | | | | | + 0.9 / - 1.1 | | | | |

CIE Pub.117 Corrected 3516 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.4)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

UTILIZATION FACTORS TABLE

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 | 68 | 58 | 52 | 67 | 58 | 52 | 66 | 57 | 52 | 47 |
| 0.80 | 77 | 68 | 62 | 77 | 68 | 62 | 75 | 67 | 61 | 56 |
| 1.00 | 85 | 76 | 70 | 84 | 75 | 70 | 82 | 76 | 69 | 63 |
| 1.25 | 91 | 83 | 77 | 90 | 82 | 77 | 87 | 81 | 76 | 70 |
| 1.50 | 95 | 87 | 82 | 94 | 87 | 81 | 91 | 85 | 80 | 74 |
| 2.00 | 101 | 94 | 89 | 99 | 93 | 88 | 96 | 91 | 87 | 80 |
| 2.50 | 104 | 98 | 93 | 102 | 96 | 92 | 98 | 94 | 90 | 83 |
| 3.00 | 106 | 101 | 97 | 104 | 99 | 96 | 101 | 97 | 93 | 86 |
| 4.00 | 109 | 105 | 101 | 107 | 103 | 100 | 103 | 100 | 97 | 89 |
| 5.00 | 111 | 108 | 104 | 109 | 106 | 103 | 105 | 102 | 100 | 91 |
| 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: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

ISOCANDELA DIAGRAM

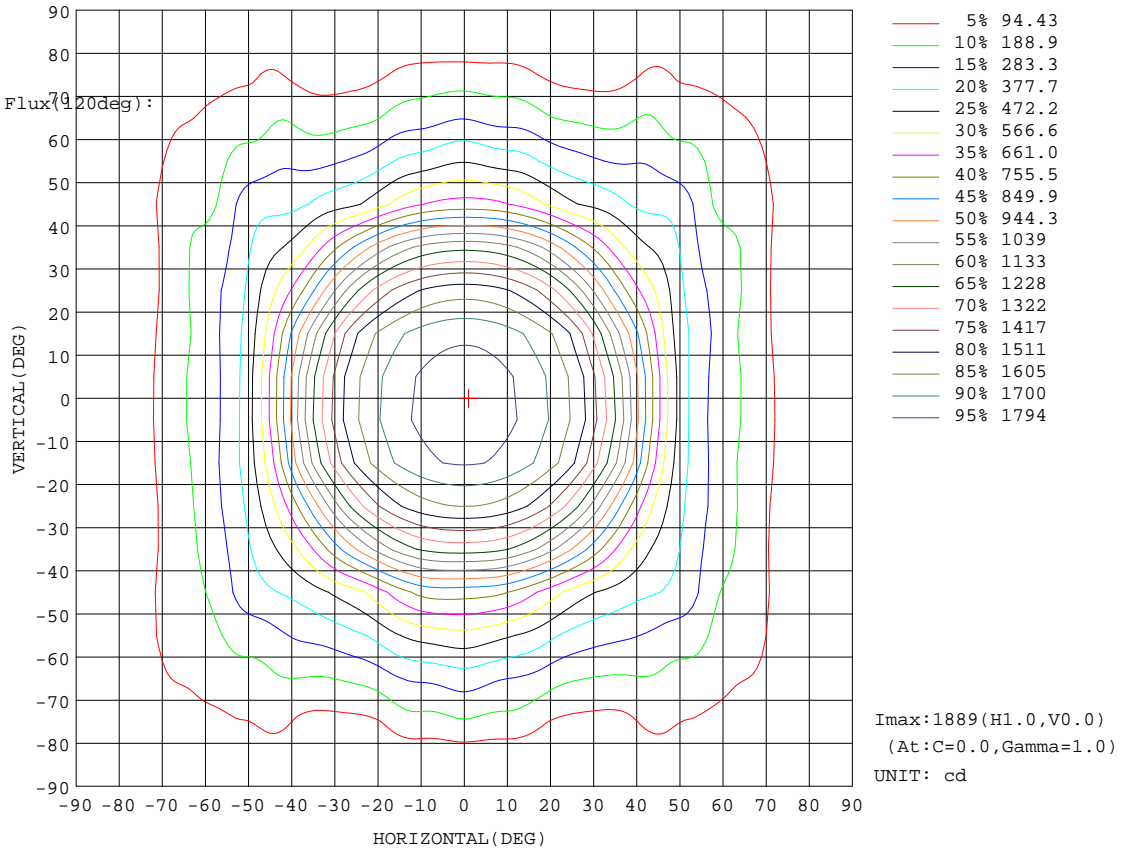
| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION ANGLE: |

Conical surface Flux(90deg):

2502.2 lm
%lum = 71.2%
%lamp = 71.2%

Conical surface Flux(70deg):

3133.3 lm
%lum = 89.1%
%lamp = 89.1%

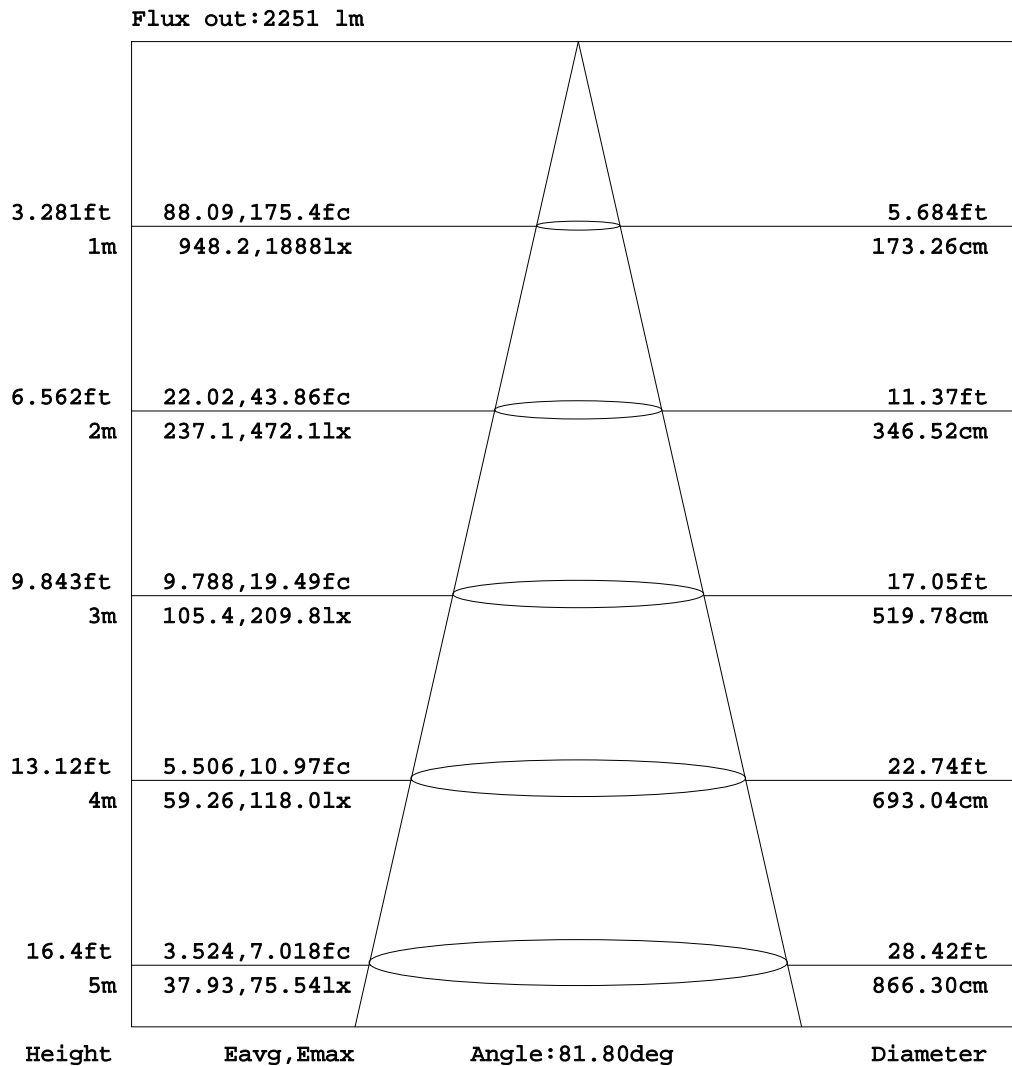


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-06-21

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.420m [K=1.0000]
Remarks: IL-PN195U(S) 3.000K 32W

AAI Figure

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION ANGLE: |



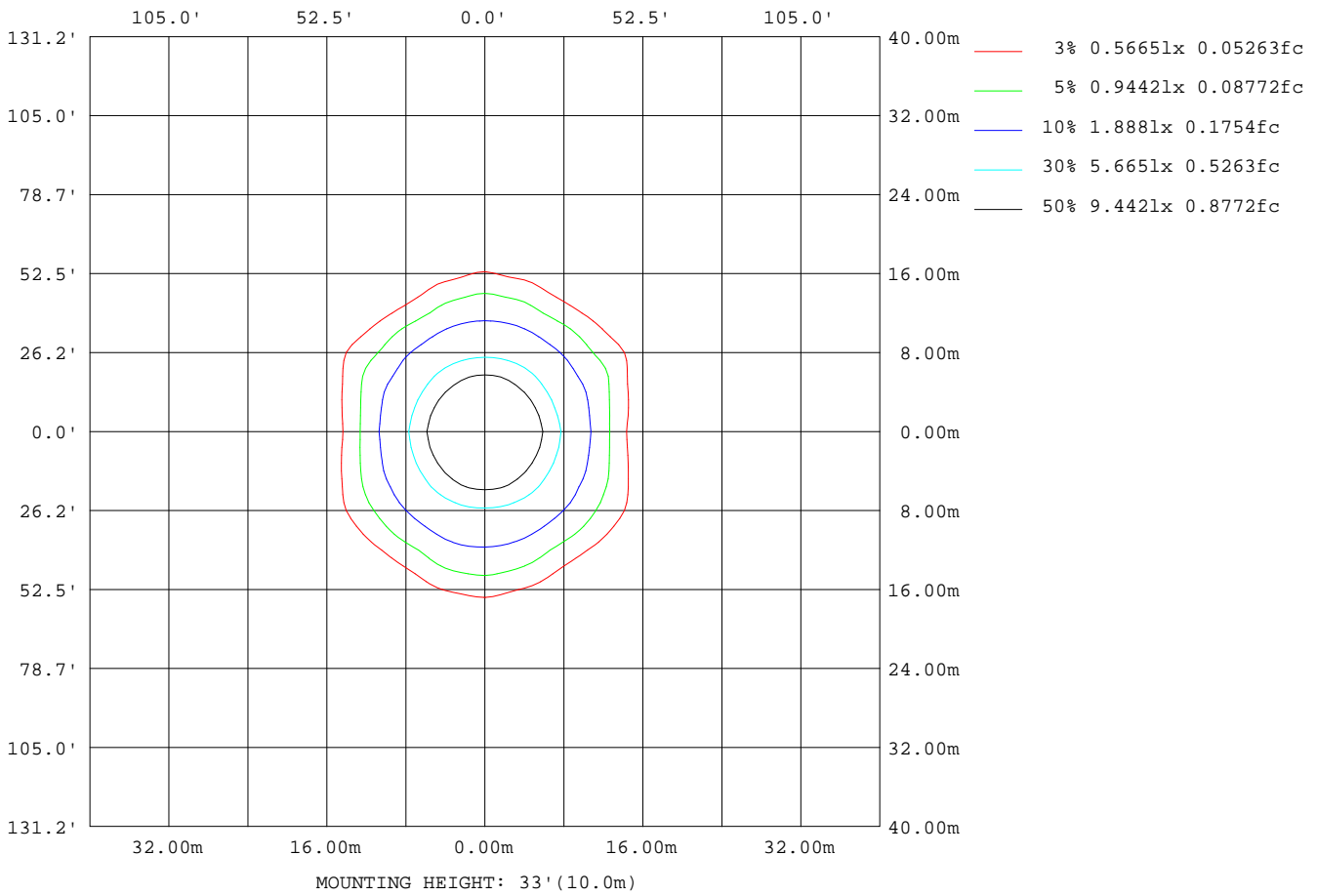
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

ISOLUX DIAGRAM

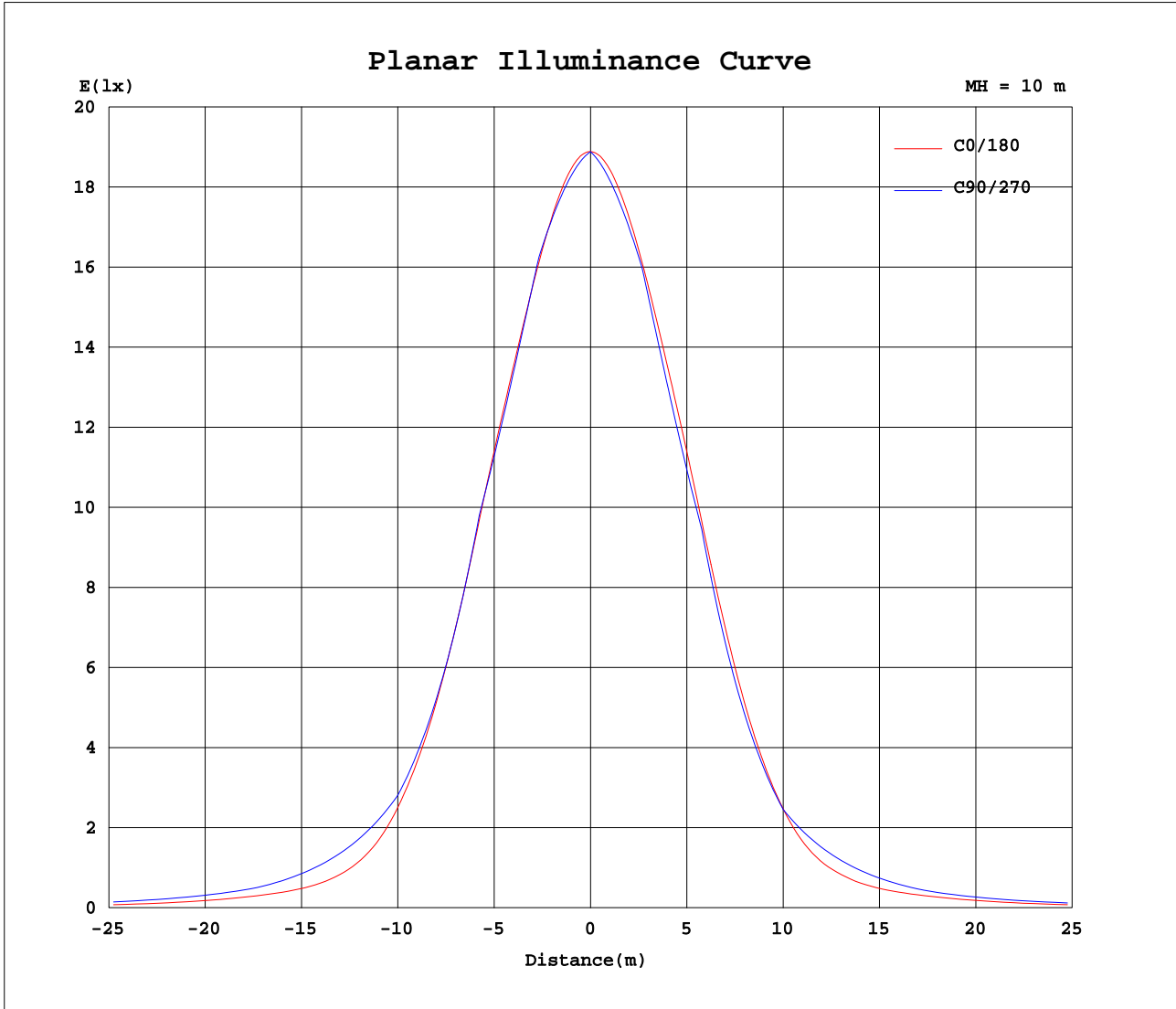
| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 5 | 1877 | 1875 | 1873 | 1871 | 1869 | 1867 | 1866 | 1865 | 1864 | 1863 | 1862 | 1861 | 1861 | 1861 | 1861 | 1861 | 1861 | 1860 | 1860 |
| 10 | 1843 | 1838 | 1835 | 1832 | 1830 | 1828 | 1827 | 1826 | 1826 | 1827 | 1827 | 1828 | 1829 | 1830 | 1830 | 1831 | 1831 | 1832 | 1832 |
| 15 | 1788 | 1782 | 1778 | 1775 | 1773 | 1773 | 1774 | 1775 | 1778 | 1782 | 1785 | 1788 | 1792 | 1795 | 1798 | 1800 | 1802 | 1803 | 1803 |
| 20 | 1718 | 1710 | 1704 | 1702 | 1701 | 1703 | 1707 | 1713 | 1720 | 1727 | 1727 | 1721 | 1716 | 1712 | 1710 | 1708 | 1706 | 1706 | 1705 |
| 25 | 1629 | 1616 | 1607 | 1604 | 1605 | 1612 | 1623 | 1636 | 1621 | 1611 | 1605 | 1604 | 1604 | 1605 | 1606 | 1607 | 1607 | 1607 | 1607 |
| 30 | 1491 | 1469 | 1457 | 1455 | 1462 | 1477 | 1480 | 1467 | 1459 | 1458 | 1462 | 1471 | 1481 | 1491 | 1499 | 1504 | 1508 | 1509 | 1509 |
| 35 | 1273 | 1251 | 1242 | 1247 | 1263 | 1265 | 1254 | 1254 | 1261 | 1274 | 1293 | 1317 | 1312 | 1304 | 1295 | 1287 | 1279 | 1273 | 1271 |
| 40 | 1003 | 984 | 985 | 1003 | 1021 | 1007 | 1003 | 1012 | 1034 | 1055 | 1053 | 1050 | 1046 | 1044 | 1044 | 1043 | 1040 | 1034 | 1033 |
| 45 | 710 | 694 | 702 | 730 | 741 | 747 | 752 | 766 | 788 | 798 | 794 | 787 | 784 | 783 | 789 | 798 | 800 | 795 | 795 |
| 50 | 452 | 452 | 467 | 494 | 520 | 538 | 548 | 571 | 586 | 586 | 569 | 543 | 550 | 580 | 609 | 633 | 648 | 658 | 665 |
| 55 | 306 | 315 | 335 | 360 | 393 | 422 | 439 | 448 | 446 | 430 | 423 | 421 | 430 | 452 | 478 | 494 | 505 | 522 | 535 |
| 60 | 242 | 243 | 256 | 280 | 308 | 347 | 376 | 380 | 359 | 346 | 335 | 325 | 323 | 331 | 353 | 359 | 362 | 385 | 404 |
| 65 | 184 | 177 | 190 | 223 | 235 | 269 | 312 | 292 | 277 | 268 | 253 | 237 | 233 | 237 | 262 | 282 | 290 | 310 | 329 |
| 70 | 124 | 121 | 130 | 161 | 178 | 186 | 221 | 206 | 189 | 201 | 184 | 168 | 162 | 164 | 185 | 214 | 225 | 238 | 255 |
| 75 | 64.4 | 67.5 | 79.1 | 116 | 137 | 134 | 155 | 152 | 149 | 158 | 122 | 98.2 | 92.3 | 92.4 | 108 | 145 | 161 | 166 | 180 |
| 80 | 39.1 | 44.4 | 59.4 | 78.2 | 95.3 | 91.8 | 95.9 | 100 | 105 | 105 | 50.8 | 26.7 | 19.6 | 14.6 | 11.7 | 9.38 | 4.78 | 1.23 | 0.00 |
| 85 | 22.9 | 28.7 | 39.6 | 51.7 | 54.3 | 22.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 5 | 1860 | 1860 | 1860 | 1860 | 1860 | 1861 | 1861 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1869 | 1871 | 1873 | 1875 | 1872 |
| 10 | 1832 | 1831 | 1830 | 1830 | 1829 | 1828 | 1827 | 1827 | 1826 | 1825 | 1825 | 1826 | 1827 | 1828 | 1830 | 1833 | 1836 | 1840 | 1835 |
| 15 | 1803 | 1802 | 1800 | 1798 | 1795 | 1792 | 1789 | 1785 | 1782 | 1779 | 1776 | 1774 | 1773 | 1774 | 1775 | 1778 | 1782 | 1788 | 1780 |
| 20 | 1706 | 1706 | 1708 | 1709 | 1712 | 1716 | 1721 | 1729 | 1730 | 1721 | 1715 | 1709 | 1704 | 1702 | 1702 | 1704 | 1710 | 1718 | 1707 |
| 25 | 1607 | 1607 | 1606 | 1605 | 1604 | 1604 | 1604 | 1607 | 1612 | 1623 | 1636 | 1622 | 1611 | 1604 | 1602 | 1605 | 1614 | 1628 | 1610 |
| 30 | 1509 | 1506 | 1502 | 1498 | 1490 | 1481 | 1472 | 1464 | 1460 | 1460 | 1466 | 1479 | 1478 | 1463 | 1455 | 1456 | 1466 | 1486 | 1459 |
| 35 | 1275 | 1283 | 1292 | 1300 | 1307 | 1314 | 1319 | 1296 | 1276 | 1263 | 1255 | 1256 | 1269 | 1267 | 1249 | 1242 | 1249 | 1270 | 1237 |
| 40 | 1040 | 1050 | 1058 | 1057 | 1055 | 1053 | 1054 | 1057 | 1057 | 1033 | 1011 | 1004 | 1008 | 1020 | 1001 | 980 | 978 | 996 | 969 |
| 45 | 805 | 818 | 822 | 811 | 798 | 789 | 791 | 800 | 800 | 786 | 766 | 755 | 749 | 740 | 723 | 692 | 685 | 699 | 684 |
| 50 | 667 | 667 | 658 | 632 | 593 | 555 | 551 | 578 | 589 | 585 | 573 | 558 | 546 | 522 | 495 | 468 | 449 | 445 | 446 |
| 55 | 530 | 524 | 517 | 496 | 461 | 438 | 432 | 431 | 427 | 441 | 447 | 442 | 423 | 389 | 361 | 340 | 317 | 306 | 315 |
| 60 | 392 | 381 | 381 | 366 | 342 | 335 | 334 | 338 | 346 | 353 | 369 | 366 | 335 | 301 | 277 | 257 | 245 | 245 | 244 |
| 65 | 315 | 302 | 298 | 270 | 247 | 244 | 242 | 260 | 272 | 270 | 283 | 299 | 261 | 230 | 208 | 187 | 180 | 187 | 179 |
| 70 | 239 | 230 | 225 | 188 | 169 | 168 | 171 | 191 | 203 | 181 | 201 | 212 | 190 | 176 | 155 | 131 | 121 | 124 | 118 |
| 75 | 163 | 158 | 151 | 108 | 92.1 | 94.2 | 100 | 125 | 159 | 142 | 150 | 151 | 144 | 137 | 123 | 82.6 | 69.2 | 66.4 | 66.9 |
| 80 | 1.21 | 4.70 | 9.76 | 11.5 | 14.3 | 19.9 | 27.4 | 51.4 | 104 | 99.7 | 99.4 | 97.4 | 96.4 | 102 | 88.7 | 63.6 | 50.9 | 42.5 | 45.2 |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.9 | 53.1 | 52.8 | 41.7 | 27.4 | 23.9 | 25.2 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 5 | 1869 | 1866 | 1864 | 1862 | 1859 | 1858 | 1856 | 1855 | 1854 | 1853 | 1852 | 1851 | 1851 | 1850 | 1850 | 1850 | 1850 | 1850 | 1851 |
| 10 | 1829 | 1825 | 1821 | 1818 | 1815 | 1814 | 1812 | 1811 | 1811 | 1810 | 1810 | 1811 | 1811 | 1811 | 1811 | 1812 | 1812 | 1812 | 1812 |
| 15 | 1773 | 1767 | 1763 | 1761 | 1759 | 1759 | 1759 | 1760 | 1762 | 1763 | 1765 | 1767 | 1769 | 1771 | 1772 | 1773 | 1773 | 1773 | 1773 |
| 20 | 1698 | 1693 | 1689 | 1688 | 1690 | 1693 | 1697 | 1702 | 1698 | 1688 | 1681 | 1675 | 1672 | 1670 | 1668 | 1668 | 1668 | 1668 | 1669 |
| 25 | 1598 | 1592 | 1591 | 1594 | 1602 | 1612 | 1591 | 1575 | 1565 | 1560 | 1557 | 1557 | 1558 | 1559 | 1560 | 1561 | 1562 | 1562 | 1561 |
| 30 | 1442 | 1436 | 1440 | 1453 | 1451 | 1430 | 1417 | 1410 | 1409 | 1413 | 1421 | 1430 | 1439 | 1446 | 1451 | 1455 | 1456 | 1455 | 1452 |
| 35 | 1220 | 1215 | 1225 | 1223 | 1207 | 1201 | 1202 | 1209 | 1224 | 1245 | 1239 | 1230 | 1222 | 1215 | 1208 | 1203 | 1202 | 1205 | 1210 |
| 40 | 960 | 967 | 974 | 956 | 947 | 948 | 959 | 975 | 976 | 973 | 969 | 965 | 961 | 957 | 953 | 949 | 948 | 952 | 957 |
| 45 | 689 | 713 | 719 | 714 | 706 | 705 | 723 | 730 | 724 | 712 | 704 | 700 | 700 | 699 | 698 | 695 | 695 | 699 | 705 |
| 50 | 462 | 491 | 523 | 540 | 532 | 529 | 533 | 534 | 515 | 479 | 474 | 500 | 529 | 547 | 560 | 573 | 580 | 574 | 566 |
| 55 | 335 | 354 | 387 | 427 | 437 | 418 | 396 | 382 | 378 | 369 | 368 | 383 | 411 | 426 | 433 | 454 | 465 | 452 | 438 |
| 60 | 256 | 279 | 298 | 330 | 365 | 354 | 324 | 304 | 287 | 277 | 273 | 274 | 297 | 308 | 307 | 334 | 351 | 328 | 313 |
| 65 | 195 | 228 | 225 | 242 | 289 | 279 | 269 | 254 | 209 | 187 | 191 | 193 | 217 | 240 | 244 | 266 | 279 | 261 | 249 |
| 70 | 132 | 171 | 177 | 166 | 200 | 196 | 186 | 205 | 160 | 132 | 131 | 134 | 154 | 181 | 188 | 200 | 206 | 195 | 190 |
| 75 | 79.4 | 126 | 141 | 130 | 141 | 142 | 133 | 149 | 110 | 80.5 | 72.9 | 74.8 | 92.6 | 121 | 133 | 135 | 134 | 131 | 132 |
| 80 | 61.2 | 75.2 | 87.2 | 83.8 | 85.0 | 84.8 | 86.1 | 85.6 | 43.8 | 23.3 | 15.3 | 11.7 | 10.1 | 7.85 | 3.94 | 1.01 | 0.00 | 0.97 | 3.90 |
| 85 | 32.6 | 42.5 | 43.9 | 18.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1375A P:31.08W PF:0.9826 Lamp Flux:3516.02x1 lm | | |
| NAME: IL-PN195U(S) 3.000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:250*1150 | PROTECTION 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 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | | | | |
| 5 | 1851 | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1858 | 1859 | 1861 | 1863 | 1865 | 1868 | 1871 | 1874 | | | | |
| 10 | 1812 | 1812 | 1812 | 1812 | 1812 | 1812 | 1813 | 1814 | 1815 | 1817 | 1820 | 1823 | 1827 | 1831 | 1837 | | | | |
| 15 | 1772 | 1770 | 1768 | 1767 | 1764 | 1762 | 1761 | 1759 | 1759 | 1759 | 1760 | 1763 | 1767 | 1773 | 1780 | | | | |
| 20 | 1670 | 1673 | 1676 | 1681 | 1688 | 1697 | 1700 | 1695 | 1691 | 1688 | 1687 | 1688 | 1691 | 1698 | 1707 | | | | |
| 25 | 1561 | 1560 | 1559 | 1559 | 1560 | 1565 | 1574 | 1588 | 1608 | 1598 | 1591 | 1588 | 1590 | 1598 | 1611 | | | | |
| 30 | 1448 | 1441 | 1433 | 1423 | 1415 | 1409 | 1408 | 1414 | 1426 | 1444 | 1445 | 1433 | 1431 | 1440 | 1460 | | | | |
| 35 | 1218 | 1226 | 1235 | 1244 | 1247 | 1223 | 1206 | 1195 | 1194 | 1197 | 1207 | 1207 | 1203 | 1212 | 1235 | | | | |
| 40 | 963 | 969 | 974 | 978 | 980 | 977 | 971 | 956 | 945 | 941 | 947 | 964 | 963 | 962 | 974 | | | | |
| 45 | 708 | 711 | 715 | 720 | 725 | 733 | 737 | 730 | 714 | 714 | 722 | 728 | 724 | 700 | 694 | | | | |
| 50 | 558 | 542 | 518 | 497 | 500 | 532 | 549 | 548 | 543 | 545 | 553 | 533 | 496 | 466 | 452 | | | | |
| 55 | 438 | 423 | 401 | 390 | 391 | 398 | 401 | 411 | 426 | 447 | 440 | 393 | 360 | 342 | 319 | | | | |
| 60 | 322 | 307 | 292 | 294 | 298 | 307 | 320 | 331 | 356 | 370 | 332 | 293 | 279 | 263 | 246 | | | | |
| 65 | 249 | 224 | 209 | 210 | 208 | 228 | 265 | 277 | 284 | 292 | 244 | 225 | 236 | 199 | 178 | | | | |
| 70 | 183 | 156 | 143 | 143 | 147 | 173 | 215 | 197 | 200 | 208 | 171 | 170 | 175 | 139 | 116 | | | | |
| 75 | 117 | 90.8 | 77.7 | 78.7 | 87.2 | 118 | 159 | 140 | 147 | 153 | 141 | 141 | 128 | 83.1 | 64.5 | | | | |
| 80 | 7.54 | 9.77 | 12.0 | 16.3 | 24.5 | 48.2 | 93.2 | 90.4 | 90.0 | 92.4 | 92.0 | 90.8 | 77.4 | 59.3 | 42.5 | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.9 | 43.8 | 43.7 | 36.3 | 27.8 | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| G/C | 0.0 | 5.0 | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1886 | 1885 | 1884 | 1883 | 1882 | 1881 | 1880 | 1879 | 1878 | 1877 |
| 5.0 | 1877 | 1875 | 1873 | 1871 | 1869 | 1867 | 1866 | 1865 | 1864 | 1863 |
| 7.5 | 1863 | 1859 | 1856 | 1854 | 1852 | 1850 | 1849 | 1847 | 1847 | 1846 |
| 10.0 | 1843 | 1838 | 1835 | 1832 | 1830 | 1828 | 1827 | 1826 | 1826 | 1827 |
| 12.5 | 1817 | 1812 | 1808 | 1805 | 1803 | 1802 | 1802 | 1803 | 1804 | 1805 |
| 15.0 | 1788 | 1782 | 1778 | 1775 | 1773 | 1773 | 1774 | 1775 | 1778 | 1782 |
| 17.5 | 1756 | 1749 | 1744 | 1741 | 1739 | 1740 | 1742 | 1746 | 1750 | 1755 |
| 20.0 | 1718 | 1710 | 1704 | 1702 | 1701 | 1703 | 1707 | 1713 | 1720 | 1727 |
| 22.5 | 1677 | 1666 | 1660 | 1657 | 1658 | 1662 | 1668 | 1677 | 1687 | 1676 |
| 25.0 | 1629 | 1616 | 1607 | 1604 | 1605 | 1612 | 1623 | 1636 | 1621 | 1611 |
| 27.5 | 1570 | 1552 | 1542 | 1538 | 1541 | 1552 | 1568 | 1557 | 1545 | 1538 |
| 30.0 | 1491 | 1469 | 1457 | 1455 | 1462 | 1477 | 1480 | 1467 | 1459 | 1458 |
| 32.5 | 1388 | 1366 | 1355 | 1356 | 1367 | 1387 | 1372 | 1365 | 1364 | 1370 |
| 35.0 | 1273 | 1251 | 1242 | 1247 | 1263 | 1265 | 1254 | 1254 | 1261 | 1274 |
| 37.5 | 1144 | 1124 | 1120 | 1130 | 1153 | 1138 | 1130 | 1136 | 1150 | 1171 |
| 40.0 | 1003 | 983.9 | 984.8 | 1003 | 1021 | 1007 | 1003 | 1012 | 1034 | 1055 |
| 42.5 | 858.3 | 839.5 | 843.1 | 868.0 | 879.4 | 874.6 | 876.2 | 888.1 | 911.5 | 921.5 |
| 45.0 | 709.7 | 694.4 | 701.9 | 730.4 | 741.3 | 747.4 | 751.7 | 765.6 | 788.0 | 798.3 |
| 47.5 | 568.1 | 560.0 | 572.3 | 599.5 | 618.2 | 631.9 | 639.5 | 657.3 | 679.5 | 685.6 |
| 50.0 | 452.1 | 451.9 | 467.2 | 493.8 | 520.3 | 537.5 | 548.2 | 571.1 | 586.2 | 586.3 |
| 52.5 | 366.5 | 372.7 | 391.9 | 417.1 | 447.6 | 469.3 | 485.4 | 501.7 | 508.7 | 500.2 |
| 55.0 | 305.5 | 314.6 | 335.0 | 360.2 | 392.7 | 422.1 | 439.2 | 448.4 | 446.5 | 429.6 |
| 57.5 | 268.2 | 273.8 | 291.3 | 314.1 | 346.1 | 383.4 | 404.1 | 409.1 | 397.9 | 386.9 |
| 60.0 | 242.0 | 242.9 | 256.1 | 279.9 | 307.6 | 346.6 | 376.0 | 380.1 | 359.1 | 346.2 |
| 62.5 | 214.4 | 210.5 | 223.6 | 251.8 | 272.0 | 309.5 | 352.5 | 337.5 | 319.5 | 306.7 |
| 65.0 | 184.2 | 176.6 | 190.1 | 223.0 | 234.8 | 269.0 | 311.7 | 292.3 | 277.3 | 268.2 |
| 67.5 | 153.7 | 147.0 | 158.4 | 188.8 | 200.9 | 224.0 | 263.3 | 248.0 | 232.2 | 229.5 |
| 70.0 | 123.6 | 120.8 | 129.8 | 160.9 | 177.6 | 185.8 | 221.1 | 206.1 | 188.7 | 201.0 |
| 72.5 | 90.05 | 92.90 | 101.1 | 138.5 | 160.0 | 157.8 | 186.7 | 173.8 | 169.1 | 177.8 |
| 75.0 | 64.44 | 67.46 | 79.12 | 116.5 | 136.8 | 133.9 | 155.1 | 152.4 | 149.1 | 158.4 |
| 77.5 | 48.53 | 52.13 | 66.24 | 93.50 | 114.5 | 111.1 | 123.2 | 127.8 | 127.8 | 141.4 |
| 80.0 | 39.15 | 44.35 | 59.40 | 78.18 | 95.34 | 91.84 | 95.88 | 100.3 | 104.9 | 105.0 |
| 82.5 | 32.34 | 39.96 | 64.98 | 64.98 | 77.12 | 74.44 | 69.73 | 49.81 | 31.51 | 14.46 |
| 85.0 | 22.85 | 28.71 | 39.55 | 51.74 | 54.33 | 22.72 | 0 | 0 | 0 | 0 |
| 87.5 | 4.853 | 12.61 | 22.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0.4399 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 80.0 | 85.0 | 90.0 | 95.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1877 | 1876 | 1876 | 1876 | 1875 | 1875 | 1875 | 1874 | 1874 | 1874 |
| 5.0 | 1863 | 1862 | 1861 | 1861 | 1861 | 1861 | 1861 | 1860 | 1860 | 1860 |
| 7.5 | 1846 | 1846 | 1846 | 1846 | 1846 | 1846 | 1846 | 1846 | 1846 | 1846 |
| 10.0 | 1827 | 1828 | 1829 | 1830 | 1830 | 1831 | 1831 | 1832 | 1832 | 1832 |
| 12.5 | 1807 | 1809 | 1811 | 1813 | 1814 | 1816 | 1817 | 1817 | 1817 | 1818 |
| 15.0 | 1785 | 1788 | 1792 | 1795 | 1798 | 1800 | 1802 | 1803 | 1803 | 1803 |
| 17.5 | 1762 | 1767 | 1768 | 1764 | 1760 | 1758 | 1756 | 1755 | 1754 | 1755 |
| 20.0 | 1727 | 1721 | 1716 | 1712 | 1710 | 1708 | 1706 | 1706 | 1705 | 1706 |
| 22.5 | 1668 | 1664 | 1661 | 1659 | 1658 | 1658 | 1657 | 1657 | 1656 | 1656 |
| 25.0 | 1605 | 1604 | 1604 | 1605 | 1606 | 1607 | 1607 | 1607 | 1607 | 1607 |
| 27.5 | 1537 | 1539 | 1544 | 1549 | 1553 | 1556 | 1558 | 1558 | 1558 | 1558 |
| 30.0 | 1462 | 1471 | 1481 | 1491 | 1499 | 1504 | 1508 | 1509 | 1509 | 1509 |
| 32.5 | 1381 | 1397 | 1414 | 1431 | 1448 | 1468 | 1488 | 1509 | 1529 | 1558 |
| 35.0 | 1293 | 1317 | 1332 | 1304 | 1295 | 1287 | 1279 | 1273 | 1271 | 1275 |
| 37.5 | 1190 | 1185 | 1179 | 1174 | 1170 | 1166 | 1160 | 1153 | 1152 | 1158 |
| 40.0 | 1053 | 1050 | 1046 | 1044 | 1044 | 1043 | 1040 | 1034 | 1033 | 1040 |
| 42.5 | 920.1 | 916.6 | 914.1 | 913.7 | 917.0 | 921.0 | 919.7 | 914.4 | 914.4 | 922.6 |
| 45.0 | 794.0 | 786.8 | 783.6 | 783.3 | 789.2 | 797.5 | 799.7 | 794.8 | 795.4 | 805.4 |
| 47.5 | 676.3 | 661.5 | 655.0 | 653.7 | 677.7 | 704.9 | 719.6 | 725.3 | 730.2 | 735.4 |
| 50.0 | 568.7 | 542.5 | 550.5 | 579.8 | 609.4 | 633.2 | 648.1 | 657.8 | 665.0 | 667.3 |
| 52.5 | 471.5 | 472.2 | 488.3 | 515.2 | 543.0 | 562.9 | 576.5 | 590.0 | 599.9 | 598.8 |
| 55.0 | 423.3 | 420.7 | 429.8 | 452.1 | 478.4 | 493.8 | 504.9 | 521.9 | 534.7 | 530.1 |
| 57.5 | 378.0 | 372.1 | 374.7 | 390.5 | 415.3 | 425.9 | 433.5 | 453.6 | 469.5 | 461.1 |
| 60.0 | 334.6 | 325.3 | 322.7 | 331.0 | 353.4 | 359.4 | 362.4 | 385.1 | 404.3 | 391.9 |
| 62.5 | 292.9 | 280.1 | 273.2 | 274.1 | 301.1 | 315.3 | 323.3 | 347.0 | 366.9 | 352.6 |
| 65.0 | 252.8 | 237.4 | 232.9 | 236.7 | 262.2 | 281.9 | 290.2 | 310.4 | 329.4 | 314.6 |
| 67.5 | 216.6 | 202.7 | 197.5 | 199.8 | 223.2 | 248.2 | 257.6 | 274.0 | 292.0 | 276.6 |
| 70.0 | 183.7 | 167.9 | 162.2 | 163.7 | 184.5 | 214.1 | 225.2 | 237.7 | 254.6 | 238.7 |
| 72.5 | 152.2 | 133.0 | 127.2 | 127.9 | 146.2 | 179.5 | 193.0 | 201.6 | 217.1 | 200.9 |
| 75.0 | 122.2 | 98.22 | 92.28 | 92.39 | 108.4 | 144.8 | 161.1 | 165.6 | 179.7 | 163.0 |
| 77.5 | 93.48 | 63.41 | 56.88 | 54.74 | 61.84 | 80.12 | 85.06 | 83.84 | 89.83 | 82.49 |
| 80.0 | 50.83 | 26.68 | 19.58 | 14.65 | 11.70 | 9.378 | 4.785 | 1.231 | 0 | 1.211 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 100.0 | 105.0 | 110.0 | 115.0 | 120.0 | 125.0 | 130.0 | 135.0 | 140.0 | 145.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1874 | 1874 | 1875 | 1875 | 1875 | 1876 | 1876 | 1877 | 1877 | 1878 |
| 5.0 | 1860 | 1860 | 1860 | 1860 | 1861 | 1861 | 1861 | 1862 | 1863 | 1864 |
| 7.5 | 1846 | 1845 | 1845 | 1845 | 1845 | 1845 | 1845 | 1845 | 1846 | 1846 |
| 10.0 | 1831 | 1830 | 1830 | 1829 | 1828 | 1827 | 1827 | 1826 | 1825 | 1825 |
| 12.5 | 1817 | 1815 | 1814 | 1813 | 1811 | 1808 | 1806 | 1805 | 1803 | 1802 |
| 15.0 | 1802 | 1800 | 1798 | 1795 | 1792 | 1789 | 1785 | 1782 | 1779 | 1776 |
| 17.5 | 1756 | 1758 | 1760 | 1764 | 1769 | 1768 | 1762 | 1757 | 1752 | 1747 |
| 20.0 | 1706 | 1708 | 1709 | 1712 | 1716 | 1721 | 1729 | 1730 | 1721 | 1715 |
| 22.5 | 1657 | 1657 | 1657 | 1659 | 1661 | 1665 | 1670 | 1678 | 1689 | 1678 |
| 25.0 | 1607 | 1606 | 1605 | 1604 | 1604 | 1604 | 1607 | 1612 | 1623 | 1636 |
| 27.5 | 1556 | 1554 | 1552 | 1548 | 1544 | 1540 | 1538 | 1540 | 1546 | 1556 |
| 30.0 | 1506 | 1502 | 1498 | 1490 | 1481 | 1472 | 1464 | 1460 | 1460 | 1466 |
| 32.5 | 1399 | 1408 | 1419 | 1430 | 1414 | 1398 | 1383 | 1372 | 1365 | 1366 |
| 35.0 | 1283 | 1292 | 1300 | 1307 | 1314 | 1319 | 1296 | 1276 | 1263 | 1255 |
| 37.5 | 1166 | 1175 | 1179 | 1182 | 1184 | 1189 | 1194 | 1174 | 1151 | 1136 |
| 40.0 | 1050 | 1058 | 1057 | 1055 | 1053 | 1054 | 1057 | 1057 | 1033 | 1011 |
| 42.5 | 934.2 | 940.1 | 934.5 | 927.2 | 920.9 | 920.5 | 925.3 | 923.6 | 908.7 | 886.7 |
| 45.0 | 818.4 | 822.0 | 811.3 | 798.3 | 789.4 | 791.0 | 800.5 | 800.4 | 786.4 | 765.7 |
| 47.5 | 739.0 | 731.5 | 702.0 | 669.2 | 659.5 | 667.6 | 684.2 | 688.5 | 678.5 | 660.3 |
| 50.0 | 667.3 | 658.3 | 631.7 | 592.5 | 554.9 | 551.5 | 578.1 | 588.7 | 584.8 | 573.2 |
| 52.5 | 595.6 | 586.9 | 563.0 | 525.6 | 494.5 | 483.0 | 481.9 | 500.6 | 505.9 | 503.2 |
| 55.0 | 523.8 | 516.9 | 495.9 | 461.4 | 438.1 | 432.1 | 430.6 | 427.1 | 441.3 | 447.3 |
| 57.5 | 452.1 | 448.3 | 430.3 | 399.9 | 385.1 | 382.5 | 382.6 | 384.4 | 390.4 | 403.7 |
| 60.0 | 380.6 | 381.0 | 366.2 | 341.5 | 334.6 | 333.9 | 337.9 | 345.7 | 352.9 | 368.8 |
| 62.5 | 338.6 | 334.5 | 311.7 | 286.2 | 285.6 | 286.7 | 297.1 | 309.0 | 313.2 | 326.5 |
| 65.0 | 302.0 | 298.2 | 270.4 | 246.5 | 243.5 | 242.1 | 259.6 | 272.2 | 269.9 | 283.0 |
| 67.5 | 265.8 | 261.7 | 229.3 | 207.2 | 205.3 | 206.2 | 224.9 | 234.0 | 224.0 | 240.6 |
| 70.0 | 229.8 | 225.0 | 188.4 | 168.6 | 167.8 | 170.9 | 190.9 | 203.3 | 181.3 | 201.4 |
| 72.5 | 193.9 | 187.9 | 147.9 | 130.2 | 130.8 | 135.6 | 157.5 | 178.8 | 162.0 | 171.3 |
| 75.0 | 158.2 | 150.8 | 108.0 | 92.09 | 94.23 | 100.5 | 125.5 | 158.8 | 142.4 | 150.1 |
| 77.5 | 83.42 | 83.39 | 60.99 | 53.52 | 57.67 | 65.08 | 94.89 | 141.2 | 121.7 | 125.8 |
| 80.0 | 4.695 | 9.762 | 11.51 | 14.34 | 19.88 | 27.38 | 51.42 | 104.3 | 99.69 | 99.40 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.20 | 30.25 | 49.76 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 | 180.0 | 185.0 | 190.0 | 195.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1879 | 1880 | 1880 | 1881 | 1883 | 1884 | 1885 | 1883 | 1882 | 1880 |
| 5.0 | 1865 | 1866 | 1867 | 1869 | 1871 | 1873 | 1875 | 1872 | 1869 | 1866 |
| 7.5 | 1847 | 1848 | 1850 | 1852 | 1854 | 1857 | 1860 | 1856 | 1852 | 1848 |
| 10.0 | 1826 | 1827 | 1828 | 1830 | 1833 | 1836 | 1840 | 1835 | 1829 | 1825 |
| 12.5 | 1802 | 1802 | 1803 | 1805 | 1808 | 1812 | 1816 | 1809 | 1803 | 1798 |
| 15.0 | 1774 | 1773 | 1774 | 1775 | 1778 | 1782 | 1788 | 1780 | 1773 | 1767 |
| 17.5 | 1743 | 1741 | 1740 | 1741 | 1744 | 1749 | 1755 | 1746 | 1738 | 1732 |
| 20.0 | 1709 | 1704 | 1702 | 1704 | 1704 | 1710 | 1718 | 1707 | 1698 | 1693 |
| 22.5 | 1669 | 1662 | 1657 | 1656 | 1659 | 1666 | 1676 | 1663 | 1653 | 1647 |
| 25.0 | 1622 | 1611 | 1604 | 1602 | 1605 | 1614 | 1628 | 1610 | 1598 | 1592 |
| 27.5 | 1565 | 1550 | 1540 | 1537 | 1540 | 1550 | 1567 | 1545 | 1530 | 1523 |
| 30.0 | 1479 | 1478 | 1463 | 1455 | 1456 | 1466 | 1486 | 1459 | 1442 | 1436 |
| 32.5 | 1373 | 1391 | 1370 | 1358 | 1355 | 1364 | 1385 | 1355 | 1336 | 1331 |
| 35.0 | 1256 | 1269 | 1267 | 1249 | 1242 | 1249 | 1270 | 1237 | 1220 | 1215 |
| 37.5 | 1132 | 1140 | 1155 | 1130 | 1117 | 1119 | 1139 | 1108 | 1093 | 1094 |
| 40.0 | 1004 | 1008 | 1020 | 1001 | 980.0 | 977.8 | 996.3 | 968.6 | 960.0 | 967.3 |
| 42.5 | 877.1 | 876.1 | 877.4 | 862.8 | 836.0 | 830.2 | 847.1 | 825.5 | 824.6 | 840.0 |
| 45.0 | 755.4 | 749.4 | 740.1 | 723.4 | 692.1 | 684.6 | 698.7 | 683.6 | 689.2 | 713.3 |
| 47.5 | 646.1 | 637.3 | 617.4 | 594.7 | 567.0 | 553.3 | 559.0 | 552.0 | 565.1 | 592.7 |
| 50.0 | 558.1 | 545.5 | 522.3 | 494.8 | 467.8 | 449.4 | 445.2 | 445.7 | 461.8 | 491.1 |
| 52.5 | 493.2 | 477.7 | 448.7 | 419.9 | 396.1 | 375.4 | 367.5 | 371.6 | 387.8 | 412.5 |
| 55.0 | 442.0 | 422.6 | 389.5 | 360.6 | 340.2 | 317.0 | 306.2 | 315.2 | 335.2 | 354.0 |
| 57.5 | 400.0 | 375.9 | 339.2 | 313.8 | 295.1 | 276.1 | 269.5 | 274.9 | 292.1 | 310.6 |
| 60.0 | 366.4 | 335.5 | 301.1 | 276.7 | 257.1 | 245.1 | 244.8 | 243.9 | 256.4 | 278.6 |
| 62.5 | 339.1 | 298.4 | 265.9 | 243.1 | 221.8 | 213.6 | 218.9 | 212.7 | 225.1 | 253.2 |
| 65.0 | 298.6 | 260.7 | 230.2 | 208.3 | 187.1 | 180.1 | 186.8 | 178.9 | 194.8 | 228.1 |
| 67.5 | 252.3 | 222.6 | 198.6 | 176.7 | 157.7 | 150.1 | 155.2 | 147.0 | 163.5 | 198.3 |
| 70.0 | 212.1 | 189.5 | 175.6 | 155.2 | 131.0 | 121.5 | 123.9 | 118.0 | 131.6 | 171.0 |
| 72.5 | 179.2 | 165.3 | 156.9 | 138.8 | 102.7 | 92.47 | 91.40 | 89.58 | 100.8 | 147.3 |
| 75.0 | 150.8 | 144.3 | 137.0 | 123.2 | 82.61 | 69.21 | 66.39 | 66.86 | 79.43 | 126.1 |
| 77.5 | 123.2 | 120.3 | 119.9 | 103.5 | 71.24 | 56.03 | 50.45 | 52.52 | 67.70 | 96.73 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 80.0 | 97.43 | 96.44 | 102.2 | 88.74 | 63.65 | 50.92 | 42.45 | 45.24 | 61.23 | 75.24 |
| 82.5 | 70.23 | 75.80 | 80.54 | 72.71 | 53.81 | 42.86 | 35.68 | 37.55 | 47.46 | 58.98 |
| 85.0 | 0 | 22.89 | 53.14 | 52.77 | 41.68 | 27.41 | 23.93 | 25.24 | 32.64 | 42.53 |
| 87.5 | 0 | 0 | 0 | 0 | 23.32 | 13.05 | 5.823 | 9.056 | 17.25 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5050 | 0 | 0 | 0 |
| G/C | 200.0 | 205.0 | 210.0 | 215.0 | 220.0 | 225.0 | 230.0 | 235.0 | 240.0 | 245.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1879 | 1877 | 1876 | 1875 | 1874 | 1873 | 1872 | 1871 | 1871 | 1870 |
| 5.0 | 1864 | 1862 | 1859 | 1858 | 1856 | 1855 | 1854 | 1853 | 1852 | 1851 |
| 7.5 | 1845 | 1842 | 1839 | 1837 | 1836 | 1834 | 1833 | 1832 | 1832 | 1831 |
| 10.0 | 1821 | 1818 | 1815 | 1814 | 1812 | 1811 | 1811 | 1810 | 1810 | 1811 |
| 12.5 | 1794 | 1791 | 1789 | 1787 | 1787 | 1787 | 1787 | 1788 | 1788 | 1789 |
| 15.0 | 1763 | 1761 | 1759 | 1759 | 1759 | 1760 | 1762 | 1763 | 1765 | 1767 |
| 17.5 | 1729 | 1727 | 1726 | 1727 | 1729 | 1732 | 1735 | 1739 | 1738 | 1732 |
| 20.0 | 1689 | 1688 | 1690 | 1693 | 1697 | 1702 | 1698 | 1688 | 1688 | 1675 |
| 22.5 | 1645 | 1645 | 1649 | 1654 | 1661 | 1646 | 1634 | 1626 | 1621 | 1618 |
| 25.0 | 1591 | 1594 | 1602 | 1612 | 1591 | 1575 | 1565 | 1560 | 1557 | 1557 |
| 27.5 | 1524 | 1531 | 1544 | 1528 | 1509 | 1497 | 1490 | 1489 | 1491 | 1495 |
| 30.0 | 1440 | 1453 | 1451 | 1430 | 1417 | 1410 | 1409 | 1413 | 1421 | 1430 |
| 32.5 | 1337 | 1355 | 1334 | 1321 | 1314 | 1314 | 1320 | 1332 | 1347 | 1362 |
| 35.0 | 1225 | 1223 | 1207 | 1201 | 1202 | 1209 | 1224 | 1245 | 1239 | 1230 |
| 37.5 | 1107 | 1089 | 1077 | 1075 | 1082 | 1097 | 1113 | 1110 | 1104 | 1098 |
| 40.0 | 974.2 | 956.1 | 946.9 | 948.3 | 959.0 | 974.9 | 976.1 | 973.0 | 969.3 | 964.9 |
| 42.5 | 841.1 | 829.1 | 821.5 | 823.9 | 836.8 | 846.3 | 845.6 | 839.9 | 835.6 | 832.3 |
| 45.0 | 719.4 | 713.7 | 705.9 | 705.1 | 722.7 | 730.2 | 724.1 | 712.0 | 704.0 | 700.3 |
| 47.5 | 611.3 | 616.9 | 607.1 | 607.4 | 621.0 | 626.7 | 613.7 | 591.2 | 575.4 | 569.5 |
| 50.0 | 522.9 | 539.7 | 532.3 | 528.7 | 532.6 | 534.1 | 514.8 | 478.7 | 474.5 | 500.5 |
| 52.5 | 448.8 | 480.8 | 479.4 | 465.9 | 458.1 | 451.9 | 426.4 | 415.0 | 419.7 | 441.1 |
| 55.0 | 387.0 | 426.8 | 436.7 | 417.6 | 396.4 | 382.0 | 378.5 | 368.9 | 368.1 | 383.4 |
| 57.5 | 335.4 | 375.6 | 399.6 | 381.3 | 348.4 | 339.4 | 331.3 | 323.0 | 319.4 | 327.4 |
| 60.0 | 297.9 | 329.7 | 365.2 | 353.8 | 323.9 | 304.5 | 286.5 | 276.6 | 272.7 | 273.8 |
| 62.5 | 262.9 | 286.6 | 333.9 | 321.2 | 299.4 | 276.5 | 245.5 | 230.3 | 227.1 | 223.0 |
| 65.0 | 225.1 | 241.7 | 288.9 | 279.5 | 268.9 | 253.7 | 209.5 | 186.5 | 191.2 | 193.2 |
| 67.5 | 192.3 | 196.1 | 240.7 | 235.7 | 229.8 | 232.5 | 182.9 | 158.8 | 160.9 | 163.3 |
| 70.0 | 176.7 | 165.9 | 200.3 | 196.2 | 185.7 | 204.9 | 160.2 | 132.3 | 131.0 | 133.9 |
| 72.5 | 165.9 | 147.1 | 168.8 | 166.3 | 157.6 | 176.2 | 135.9 | 106.2 | 101.7 | 104.3 |
| 75.0 | 140.9 | 130.0 | 140.6 | 142.1 | 133.1 | 148.9 | 110.0 | 80.54 | 72.85 | 74.82 |
| 77.5 | 112.1 | 106.9 | 111.5 | 114.3 | 109.7 | 123.2 | 82.56 | 54.72 | 44.34 | 43.89 |
| 80.0 | 87.18 | 83.82 | 85.02 | 84.79 | 86.07 | 85.59 | 43.84 | 23.27 | 15.30 | 11.71 |
| 82.5 | 66.91 | 62.58 | 58.22 | 40.55 | 25.93 | 11.74 | 0 | 0 | 0 | 0 |
| 85.0 | 43.91 | 18.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 250.0 | 255.0 | 260.0 | 265.0 | 270.0 | 275.0 | 280.0 | 285.0 | 290.0 | 295.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1870 | 1870 | 1869 | 1869 | 1869 | 1869 | 1870 | 1870 | 1871 | 1871 |
| 5.0 | 1851 | 1850 | 1850 | 1850 | 1850 | 1850 | 1851 | 1851 | 1851 | 1852 |
| 7.5 | 1831 | 1831 | 1831 | 1831 | 1831 | 1831 | 1831 | 1832 | 1832 | 1833 |
| 10.0 | 1811 | 1811 | 1811 | 1812 | 1812 | 1812 | 1812 | 1812 | 1812 | 1812 |
| 12.5 | 1790 | 1791 | 1792 | 1792 | 1792 | 1793 | 1792 | 1792 | 1791 | 1790 |
| 15.0 | 1769 | 1771 | 1772 | 1773 | 1773 | 1773 | 1773 | 1772 | 1770 | 1768 |
| 17.5 | 1727 | 1724 | 1722 | 1721 | 1720 | 1721 | 1723 | 1725 | 1728 | 1733 |
| 20.0 | 1672 | 1670 | 1668 | 1668 | 1668 | 1668 | 1669 | 1670 | 1673 | 1676 |
| 22.5 | 1616 | 1615 | 1615 | 1614 | 1615 | 1615 | 1615 | 1616 | 1617 | 1618 |
| 25.0 | 1558 | 1559 | 1560 | 1561 | 1562 | 1561 | 1561 | 1561 | 1560 | 1559 |
| 27.5 | 1500 | 1503 | 1506 | 1508 | 1509 | 1509 | 1507 | 1505 | 1501 | 1497 |
| 30.0 | 1439 | 1446 | 1451 | 1455 | 1456 | 1455 | 1452 | 1448 | 1441 | 1433 |
| 32.5 | 1352 | 1343 | 1335 | 1330 | 1329 | 1332 | 1337 | 1345 | 1355 | 1366 |
| 35.0 | 1222 | 1215 | 1208 | 1203 | 1202 | 1205 | 1210 | 1218 | 1226 | 1235 |
| 37.5 | 1091 | 1086 | 1080 | 1076 | 1075 | 1078 | 1084 | 1091 | 1098 | 1105 |
| 40.0 | 961.0 | 957.0 | 952.7 | 949.0 | 948.5 | 951.7 | 957.4 | 963.2 | 968.6 | 974.0 |
| 42.5 | 830.6 | 828.1 | 825.1 | 821.9 | 821.6 | 825.1 | 831.1 | 835.7 | 839.8 | 843.9 |
| 45.0 | 700.2 | 699.1 | 697.6 | 694.7 | 694.7 | 698.6 | 704.7 | 708.0 | 711.4 | 714.9 |
| 47.5 | 589.7 | 609.7 | 623.0 | 632.6 | 637.4 | 635.2 | 629.7 | 619.7 | 602.4 | 587.4 |
| 50.0 | 529.1 | 547.2 | 559.6 | 573.3 | 580.0 | 574.4 | 565.7 | 558.1 | 542.1 | 518.4 |
| 52.5 | 469.6 | 485.9 | 496.1 | 513.7 | 522.7 | 513.3 | 501.9 | 497.8 | 482.4 | 458.8 |
| 55.0 | 411.2 | 425.6 | 432.7 | 453.9 | 465.4 | 451.9 | 438.4 | 438.4 | 423.4 | 401.1 |
| 57.5 | 353.6 | 366.4 | 369.6 | 393.8 | 408.0 | 390.3 | 375.3 | 379.8 | 364.9 | 345.4 |
| 60.0 | 296.8 | 308.4 | 306.6 | 333.6 | 350.7 | 328.5 | 312.6 | 322.2 | 307.0 | 292.0 |
| 62.5 | 249.7 | 269.5 | 272.7 | 298.9 | 314.6 | 294.0 | 278.2 | 281.3 | 258.4 | 241.3 |
| 65.0 | 217.2 | 240.2 | 244.4 | 265.7 | 278.6 | 260.8 | 248.9 | 248.8 | 223.8 | 208.7 |
| 67.5 | 185.2 | 210.7 | 216.4 | 232.7 | 242.5 | 227.9 | 219.7 | 216.2 | 189.9 | 176.0 |
| 70.0 | 153.8 | 181.0 | 188.4 | 200.0 | 206.5 | 195.3 | 190.4 | 183.3 | 156.4 | 143.3 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 72.5 | 122.9 | 151.0 | 160.6 | 167.6 | 170.4 | 162.9 | 161.1 | 150.2 | 123.4 | 110.5 |
| 75.0 | 92.63 | 121.0 | 132.9 | 135.3 | 134.4 | 130.7 | 131.8 | 117.3 | 90.82 | 77.68 |
| 77.5 | 53.27 | 66.95 | 70.04 | 68.56 | 67.20 | 66.17 | 69.39 | 64.41 | 51.62 | 44.73 |
| 80.0 | 10.06 | 7.850 | 3.935 | 1.008 | 0 | 0.9723 | 3.900 | 7.543 | 9.770 | 11.96 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 300.0 | 305.0 | 310.0 | 315.0 | 320.0 | 325.0 | 330.0 | 335.0 | 340.0 | 345.0 |
| 0.0 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 | 1888 |
| 2.5 | 1872 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1880 | 1881 |
| 5.0 | 1853 | 1854 | 1855 | 1856 | 1858 | 1859 | 1861 | 1863 | 1865 | 1868 |
| 7.5 | 1833 | 1834 | 1834 | 1836 | 1837 | 1839 | 1841 | 1844 | 1847 | 1850 |
| 10.0 | 1812 | 1812 | 1812 | 1813 | 1814 | 1815 | 1817 | 1820 | 1823 | 1827 |
| 12.5 | 1790 | 1789 | 1788 | 1788 | 1788 | 1789 | 1790 | 1792 | 1795 | 1799 |
| 15.0 | 1767 | 1764 | 1762 | 1761 | 1759 | 1759 | 1759 | 1760 | 1763 | 1767 |
| 17.5 | 1739 | 1739 | 1735 | 1731 | 1728 | 1726 | 1725 | 1726 | 1728 | 1732 |
| 20.0 | 1681 | 1688 | 1697 | 1700 | 1695 | 1691 | 1688 | 1687 | 1688 | 1691 |
| 22.5 | 1621 | 1626 | 1633 | 1644 | 1658 | 1651 | 1646 | 1643 | 1643 | 1645 |
| 25.0 | 1559 | 1560 | 1565 | 1574 | 1588 | 1608 | 1598 | 1591 | 1588 | 1590 |
| 27.5 | 1493 | 1490 | 1490 | 1495 | 1506 | 1524 | 1540 | 1527 | 1520 | 1520 |
| 30.0 | 1423 | 1415 | 1409 | 1408 | 1414 | 1426 | 1444 | 1445 | 1433 | 1431 |
| 32.5 | 1350 | 1334 | 1320 | 1311 | 1310 | 1314 | 1326 | 1342 | 1326 | 1321 |
| 35.0 | 1244 | 1247 | 1223 | 1206 | 1195 | 1194 | 1197 | 1207 | 1207 | 1203 |
| 37.5 | 1110 | 1113 | 1112 | 1092 | 1076 | 1068 | 1067 | 1074 | 1089 | 1082 |
| 40.0 | 978.1 | 979.6 | 977.2 | 970.9 | 956.2 | 945.3 | 940.9 | 947.0 | 963.7 | 963.1 |
| 42.5 | 847.5 | 849.4 | 849.9 | 847.7 | 839.4 | 826.4 | 822.5 | 829.2 | 842.7 | 844.4 |
| 45.0 | 719.5 | 725.1 | 732.8 | 737.0 | 730.3 | 714.1 | 714.5 | 721.9 | 727.7 | 723.8 |
| 47.5 | 595.0 | 608.2 | 626.8 | 637.6 | 632.4 | 621.4 | 619.9 | 627.7 | 622.7 | 599.2 |
| 50.0 | 496.6 | 500.2 | 531.5 | 548.8 | 547.9 | 542.7 | 544.7 | 552.6 | 532.9 | 495.9 |
| 52.5 | 441.6 | 437.6 | 445.8 | 469.5 | 474.1 | 477.6 | 490.4 | 495.4 | 458.3 | 418.0 |
| 55.0 | 390.0 | 390.5 | 397.8 | 401.1 | 410.6 | 425.5 | 446.6 | 440.3 | 392.7 | 359.7 |
| 57.5 | 341.0 | 344.1 | 351.6 | 357.4 | 358.7 | 386.2 | 407.4 | 382.2 | 336.7 | 312.4 |
| 60.0 | 293.9 | 297.8 | 307.0 | 320.4 | 331.2 | 355.6 | 370.4 | 332.0 | 293.4 | 278.8 |
| 62.5 | 248.0 | 251.9 | 265.4 | 290.2 | 306.1 | 324.2 | 336.6 | 287.9 | 259.1 | 255.3 |
| 65.0 | 209.9 | 208.3 | 228.2 | 265.4 | 276.6 | 283.8 | 291.7 | 244.3 | 225.1 | 235.7 |
| 67.5 | 176.4 | 176.9 | 198.7 | 243.2 | 239.3 | 239.8 | 245.4 | 200.1 | 192.9 | 205.6 |
| 70.0 | 143.4 | 146.6 | 172.6 | 215.3 | 196.7 | 199.7 | 207.8 | 171.3 | 170.4 | 174.9 |
| 72.5 | 110.8 | 116.7 | 145.9 | 186.7 | 166.7 | 170.1 | 179.5 | 154.0 | 158.9 | 150.1 |
| 75.0 | 78.73 | 87.17 | 118.3 | 159.5 | 139.9 | 146.7 | 153.0 | 140.5 | 141.0 | 127.8 |
| 77.5 | 47.18 | 57.70 | 89.84 | 133.3 | 115.0 | 119.6 | 121.8 | 119.0 | 116.3 | 99.42 |
| 80.0 | 16.28 | 24.51 | 48.17 | 93.16 | 90.36 | 90.05 | 92.40 | 91.96 | 90.84 | 77.45 |
| 82.5 | 0 | 0 | 0 | 12.74 | 27.17 | 43.55 | 62.39 | 66.42 | 68.19 | 60.49 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.95 | 43.81 | 43.67 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 350.0 | 355.0 | | | | | | | | |
| 0.0 | 1888 | 1888 | | | | | | | | |
| 2.5 | 1883 | 1884 | | | | | | | | |
| 5.0 | 1871 | 1874 | | | | | | | | |
| 7.5 | 1854 | 1858 | | | | | | | | |
| 10.0 | 1831 | 1837 | | | | | | | | |
| 12.5 | 1804 | 1810 | | | | | | | | |
| 15.0 | 1773 | 1780 | | | | | | | | |
| 17.5 | 1738 | 1746 | | | | | | | | |
| 20.0 | 1698 | 1707 | | | | | | | | |
| 22.5 | 1652 | 1663 | | | | | | | | |
| 25.0 | 1598 | 1611 | | | | | | | | |
| 27.5 | 1529 | 1546 | | | | | | | | |
| 30.0 | 1440 | 1460 | | | | | | | | |
| 32.5 | 1330 | 1353 | | | | | | | | |
| 35.0 | 1212 | 1235 | | | | | | | | |
| 37.5 | 1089 | 1109 | | | | | | | | |
| 40.0 | 962.0 | 973.9 | | | | | | | | |
| 42.5 | 832.5 | 835.6 | | | | | | | | |
| 45.0 | 699.7 | 693.6 | | | | | | | | |
| 47.5 | 571.1 | 559.4 | | | | | | | | |
| 50.0 | 466.5 | 451.9 | | | | | | | | |
| 52.5 | 393.7 | 374.9 | | | | | | | | |
| 55.0 | 342.4 | 318.9 | | | | | | | | |
| 57.5 | 301.4 | 279.0 | | | | | | | | |
| 60.0 | 263.2 | 246.2 | | | | | | | | |
| 62.5 | 229.3 | 211.8 | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W

Photometric Data Table [cd]

| | | |
|------|-------|-------|
| 65.0 | 198.5 | 177.8 |
| 67.5 | 168.9 | 146.0 |
| 70.0 | 139.4 | 116.3 |
| 72.5 | 108.3 | 86.89 |
| 75.0 | 83.08 | 64.50 |
| 77.5 | 68.07 | 50.29 |
| 80.0 | 59.33 | 42.51 |
| 82.5 | 48.25 | 37.83 |
| 85.0 | 36.32 | 27.82 |
| 87.5 | 18.87 | 10.04 |
| 90.0 | 0 | 0 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.420m [K=1.0000]
 Remarks: IL-PN195U(S) 3.000K 32W