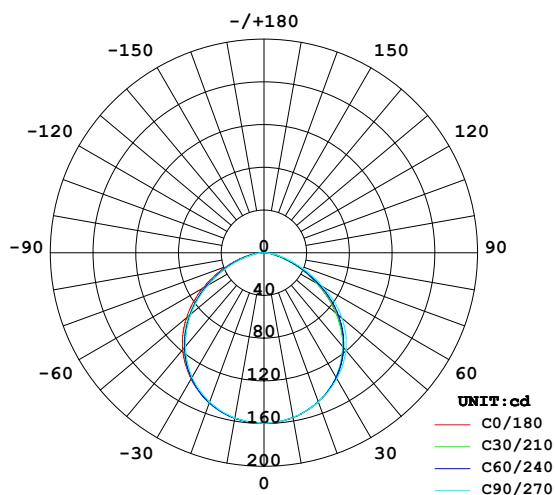


LUMINAIRE PHOTOMETRIC TEST REPORT

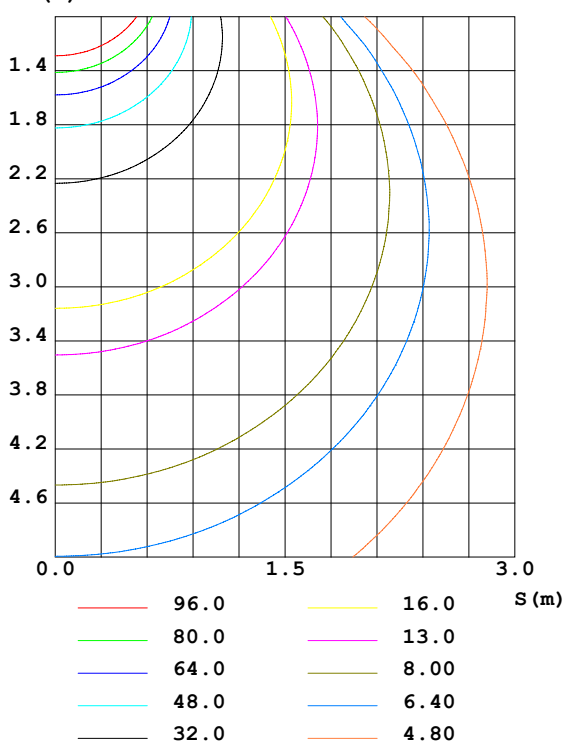
| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 97.45 lm/W | | | |
|-------------------|------|----------------------------------|--------|---------------------|-----------|
| MODEL | 5050 | I _{max} (cd) | 159.6 | S/MH (C0/180) | 1.27 |
| NOMINAL POWER (W) | 4.4 | LOR (%) | 85.8 | S/MH (C90/270) | 1.25 |
| RATED VOLTAGE (V) | 36 | TOTAL FLUX (lm) | 428.78 | η UP, DN (C0-180) | 0.0, 42.4 |
| NOMINAL FLUX (lm) | 500 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 43.3 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 36 | η down (%) | 85.8 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity: 56%
Test Distance: 6.810m [K=0.8223]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 5 | 159.1 | 159.0 | 158.9 | 158.7 | 158.8 | 158.7 | 158.8 | 158.8 | 0- 5 | 3.806 | 3.806 | 0.89,0.76 |
| 10 | 157.3 | 157.3 | 157.1 | 156.6 | 156.8 | 156.6 | 156.8 | 156.9 | 5- 10 | 11.29 | 15.10 | 3.52,3.02 |
| 15 | 154.0 | 154.4 | 153.6 | 153.2 | 153.4 | 153.2 | 153.2 | 153.9 | 10- 15 | 18.42 | 33.52 | 7.82,6.7 |
| 20 | 149.4 | 149.7 | 148.8 | 148.4 | 148.7 | 148.5 | 148.8 | 149.6 | 15- 20 | 24.93 | 58.45 | 13.6,11.7 |
| 25 | 143.6 | 143.5 | 142.4 | 142.5 | 142.7 | 142.4 | 143.0 | 144.2 | 20- 25 | 30.63 | 89.07 | 20.8,17.8 |
| 30 | 136.5 | 135.7 | 134.8 | 135.1 | 135.2 | 134.8 | 136.5 | 137.4 | 25- 30 | 35.28 | 124.4 | 29,24.9 |
| 35 | 128.1 | 126.6 | 125.2 | 126.3 | 126.1 | 125.8 | 128.6 | 129.3 | 30- 35 | 38.69 | 163.0 | 38,32.6 |
| 40 | 118.4 | 116.3 | 114.6 | 115.4 | 115.4 | 115.0 | 119.4 | 120.0 | 35- 40 | 40.65 | 203.7 | 47.5,40.7 |
| 45 | 107.3 | 103.9 | 102.5 | 103.0 | 102.7 | 102.5 | 108.3 | 109.2 | 40- 45 | 41.04 | 244.7 | 57.1,48.9 |
| 50 | 94.65 | 90.77 | 89.36 | 89.28 | 88.47 | 88.59 | 95.63 | 97.60 | 45- 50 | 39.75 | 284.5 | 66.3,56.9 |
| 55 | 80.90 | 76.73 | 75.17 | 74.54 | 72.87 | 73.63 | 80.53 | 84.82 | 50- 55 | 36.79 | 321.3 | 74.9,64.3 |
| 60 | 65.90 | 62.18 | 60.19 | 59.24 | 57.07 | 57.74 | 63.55 | 71.44 | 55- 60 | 32.25 | 353.5 | 82.4,70.7 |
| 65 | 51.00 | 48.23 | 45.73 | 44.57 | 42.32 | 42.19 | 47.38 | 57.02 | 60- 65 | 26.51 | 380.0 | 88.6,76 |
| 70 | 37.25 | 34.45 | 31.75 | 31.52 | 29.52 | 28.50 | 32.58 | 42.65 | 65- 70 | 20.34 | 400.4 | 93.4,80.1 |
| 75 | 24.95 | 22.21 | 19.82 | 20.30 | 19.38 | 17.14 | 20.41 | 29.68 | 70- 75 | 14.19 | 414.6 | 96.7,82.9 |
| 80 | 14.80 | 12.35 | 9.831 | 11.37 | 11.33 | 8.925 | 10.50 | 18.33 | 75- 80 | 8.736 | 423.3 | 98.7,84.7 |
| 85 | 7.423 | 5.523 | 2.116 | 5.019 | 5.447 | 4.026 | 2.602 | 10.13 | 80- 85 | 4.516 | 427.8 | 99.8,85.6 |
| 90 | 3.997 | 0 | 0 | 0 | 2.700 | 0 | 0 | 0 | 85- 90 | 0.9705 | 428.8 | 100,85.8 |
| 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 | | |

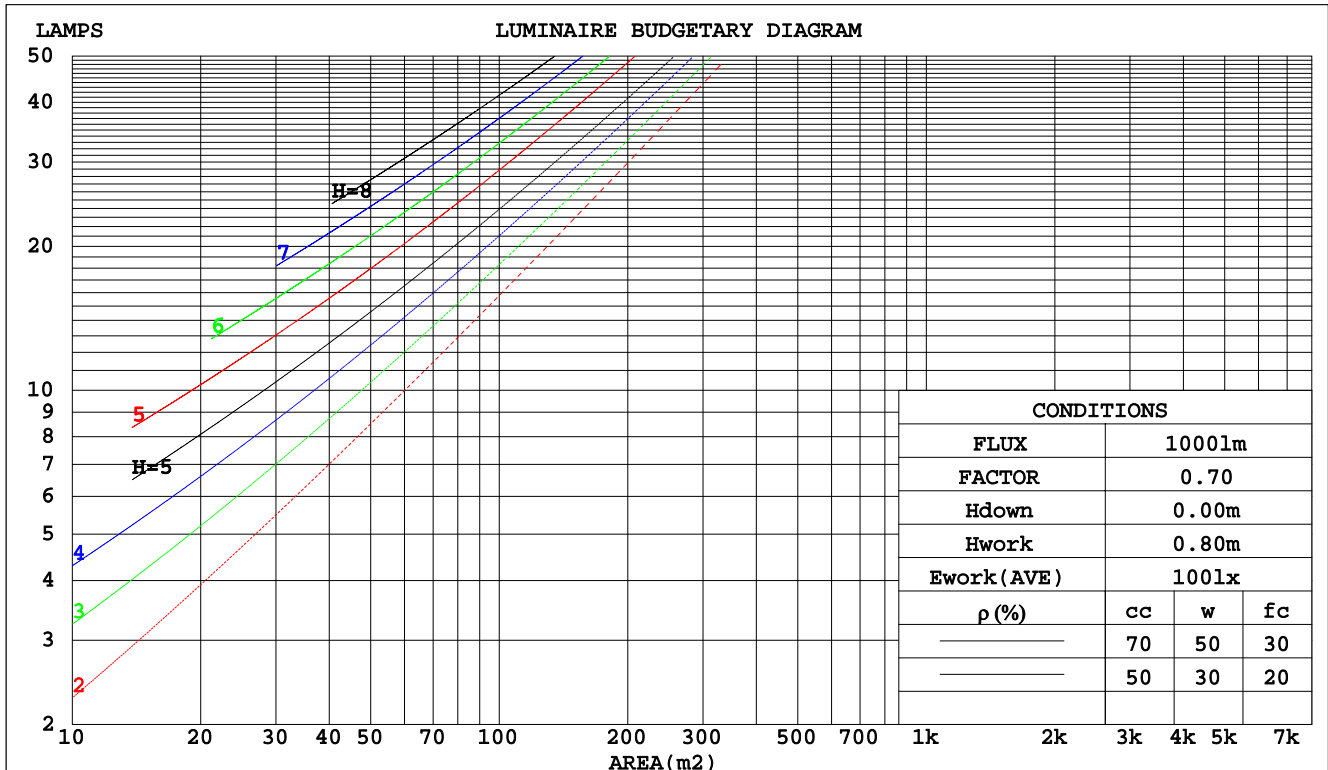
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | 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 | 1.02 | 1.02 | 1.02 | .00 | .00 | .00 | .95 | .95 | .95 | .91 | .91 | .91 | .88 | .88 | .88 | .86 |
| 1.0 | .90 | .86 | .83 | .88 | .85 | .82 | .84 | .82 | .79 | .81 | .79 | .77 | .78 | .76 | .75 | .73 |
| 2.0 | .79 | .73 | .68 | .77 | .72 | .68 | .74 | .70 | .66 | .71 | .68 | .65 | .69 | .66 | .63 | .61 |
| 3.0 | .69 | .63 | .57 | .68 | .62 | .57 | .66 | .60 | .56 | .63 | .59 | .55 | .61 | .57 | .54 | .52 |
| 4.0 | .62 | .54 | .49 | .61 | .54 | .48 | .58 | .53 | .48 | .56 | .51 | .47 | .55 | .50 | .47 | .45 |
| 5.0 | .55 | .48 | .42 | .54 | .47 | .42 | .52 | .46 | .41 | .51 | .45 | .41 | .49 | .44 | .41 | .39 |
| 6.0 | .50 | .42 | .37 | .49 | .42 | .37 | .47 | .41 | .36 | .46 | .40 | .36 | .45 | .40 | .36 | .34 |
| 7.0 | .45 | .38 | .33 | .44 | .37 | .32 | .43 | .37 | .32 | .42 | .36 | .32 | .41 | .36 | .32 | .30 |
| 8.0 | .41 | .34 | .29 | .41 | .34 | .29 | .40 | .33 | .29 | .38 | .33 | .29 | .37 | .32 | .28 | .27 |
| 9.0 | .38 | .31 | .26 | .37 | .31 | .26 | .36 | .30 | .26 | .35 | .30 | .26 | .35 | .29 | .26 | .24 |
| 10.0 | .35 | .28 | .24 | .35 | .28 | .24 | .34 | .28 | .24 | .33 | .27 | .23 | .32 | .27 | .23 | .22 |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity: 56%
Test Distance: 6.810m [K=0.8223]
Remarks:

WEC AND CCEC

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | 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 Wall Exitance Coefficients(WEC) | | | | | |
| 0.0 | | | | | | |
| 1.0 | .250 .142 .045 | .244 .139 .044 | .232 .133 .043 | .222 .128 .041 | .212 .123 .040 | |
| 2.0 | .238 .130 .040 | .233 .128 .040 | .223 .124 .038 | .214 .120 .038 | .205 .116 .037 | |
| 3.0 | .222 .118 .035 | .218 .117 .035 | .209 .113 .034 | .201 .110 .034 | .193 .107 .033 | |
| 4.0 | .207 .107 .032 | .202 .106 .031 | .195 .103 .031 | .187 .101 .030 | .181 .098 .030 | |
| 5.0 | .192 .098 .028 | .188 .097 .028 | .181 .094 .028 | .175 .092 .027 | .169 .090 .027 | |
| 6.0 | .179 .090 .026 | .176 .089 .026 | .169 .087 .025 | .164 .085 .025 | .158 .083 .025 | |
| 7.0 | .167 .083 .023 | .164 .082 .023 | .159 .080 .023 | .153 .079 .023 | .149 .077 .023 | |
| 8.0 | .156 .076 .021 | .154 .076 .021 | .149 .074 .021 | .144 .073 .021 | .140 .072 .021 | |
| 9.0 | .147 .071 .020 | .144 .070 .020 | .140 .069 .020 | .136 .068 .020 | .132 .067 .019 | |
| 10.0 | .138 .066 .018 | .136 .066 .018 | .132 .065 .018 | .128 .064 .018 | .125 .063 .018 | |

| | | | | | | |
|------|--|----------------|----------------|----------------|----------------|---|
| 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 | .163 .163 .163 | .140 .140 .140 | .095 .095 .095 | .055 .055 .055 | .018 .018 .018 | |
| 1.0 | .154 .134 .116 | .131 .115 .100 | .090 .079 .069 | .052 .046 .040 | .017 .015 .013 | |
| 2.0 | .146 .113 .086 | .125 .097 .074 | .086 .067 .052 | .049 .039 .030 | .016 .013 .010 | |
| 3.0 | .139 .098 .065 | .119 .085 .056 | .082 .059 .040 | .047 .034 .023 | .015 .011 .008 | |
| 4.0 | .133 .086 .051 | .114 .075 .044 | .078 .052 .031 | .045 .030 .018 | .015 .010 .006 | |
| 5.0 | .126 .077 .041 | .109 .067 .036 | .075 .047 .025 | .043 .027 .015 | .014 .009 .005 | |
| 6.0 | .120 .070 .034 | .104 .061 .030 | .071 .043 .021 | .041 .025 .013 | .013 .008 .004 | |
| 7.0 | .115 .064 .029 | .099 .056 .025 | .068 .039 .018 | .040 .023 .011 | .013 .008 .004 | |
| 8.0 | .109 .059 .025 | .094 .051 .022 | .065 .036 .015 | .038 .021 .009 | .012 .007 .003 | |
| 9.0 | .104 .055 .022 | .090 .048 .019 | .062 .034 .014 | .036 .020 .008 | .012 .007 .003 | |
| 10.0 | .100 .051 .019 | .086 .045 .017 | .060 .031 .012 | .035 .019 .007 | .011 .006 .002 | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|--|---------------|------|------|------|------|------------------|------|------|-------------------|------|--|
| NAME: X-Glo-30-36v | | | | | | TYPE: | | | WEIGHT: | | |
| DIM.: | | | | | | SPEC.: | | | SERIAL No.: | | |
| MFR.: | | | | | | SUR.: | | | 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 | 13.3 | 14.8 | 13.5 | 15.0 | 15.2 | 13.1 | 14.6 | 13.3 | 14.8 | 15.0 | |
| 3H | 14.5 | 15.9 | 14.8 | 16.1 | 16.3 | 14.2 | 15.6 | 14.5 | 15.8 | 16.0 | |
| 4H | 15.0 | 16.3 | 15.3 | 16.5 | 16.8 | 14.5 | 15.8 | 14.9 | 16.1 | 16.3 | |
| 6H | 15.3 | 16.5 | 15.6 | 16.7 | 17.0 | 14.7 | 15.9 | 15.1 | 16.2 | 16.5 | |
| 8H | 15.4 | 16.5 | 15.7 | 16.8 | 17.1 | 14.8 | 15.9 | 15.1 | 16.2 | 16.5 | |
| 12H | 15.4 | 16.6 | 15.8 | 16.8 | 17.1 | 14.7 | 15.9 | 15.1 | 16.2 | 16.5 | |
| 4H 2H | 13.8 | 15.1 | 14.1 | 15.3 | 15.6 | 13.6 | 14.9 | 13.9 | 15.1 | 15.4 | |
| 3H | 15.2 | 16.3 | 15.5 | 16.6 | 16.9 | 14.9 | 16.0 | 15.2 | 16.3 | 16.6 | |
| 4H | 15.7 | 16.7 | 16.1 | 17.1 | 17.4 | 15.3 | 16.4 | 15.7 | 16.7 | 17.0 | |
| 6H | 16.1 | 17.0 | 16.5 | 17.4 | 17.7 | 15.6 | 16.5 | 16.0 | 16.9 | 17.3 | |
| 8H | 16.3 | 17.1 | 16.7 | 17.5 | 17.8 | 15.7 | 16.5 | 16.1 | 16.9 | 17.3 | |
| 12H | 16.4 | 17.1 | 16.8 | 17.5 | 17.9 | 15.7 | 16.5 | 16.1 | 16.9 | 17.3 | |
| 8H 4H | 15.9 | 16.7 | 16.3 | 17.1 | 17.5 | 15.5 | 16.4 | 15.9 | 16.8 | 17.1 | |
| 6H | 16.4 | 17.1 | 16.8 | 17.5 | 17.9 | 15.9 | 16.6 | 16.4 | 17.0 | 17.5 | |
| 8H | 16.6 | 17.2 | 17.0 | 17.6 | 18.1 | 16.1 | 16.7 | 16.5 | 17.1 | 17.5 | |
| 12H | 16.8 | 17.3 | 17.2 | 17.7 | 18.2 | 16.1 | 16.6 | 16.6 | 17.1 | 17.6 | |
| 12H 4H | 15.9 | 16.6 | 16.3 | 17.0 | 17.4 | 15.5 | 16.3 | 16.0 | 16.7 | 17.1 | |
| 6H | 16.4 | 17.0 | 16.9 | 17.4 | 17.9 | 16.0 | 16.6 | 16.4 | 17.0 | 17.5 | |
| 8H | 16.6 | 17.2 | 17.1 | 17.6 | 18.1 | 16.1 | 16.7 | 16.6 | 17.1 | 17.6 | |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | | |
| 2.0H | + 0.4 / - 0.4 | | | | | + 0.4 / - 0.4 | | | | | |

CIE Pub.117 Corrected 500.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

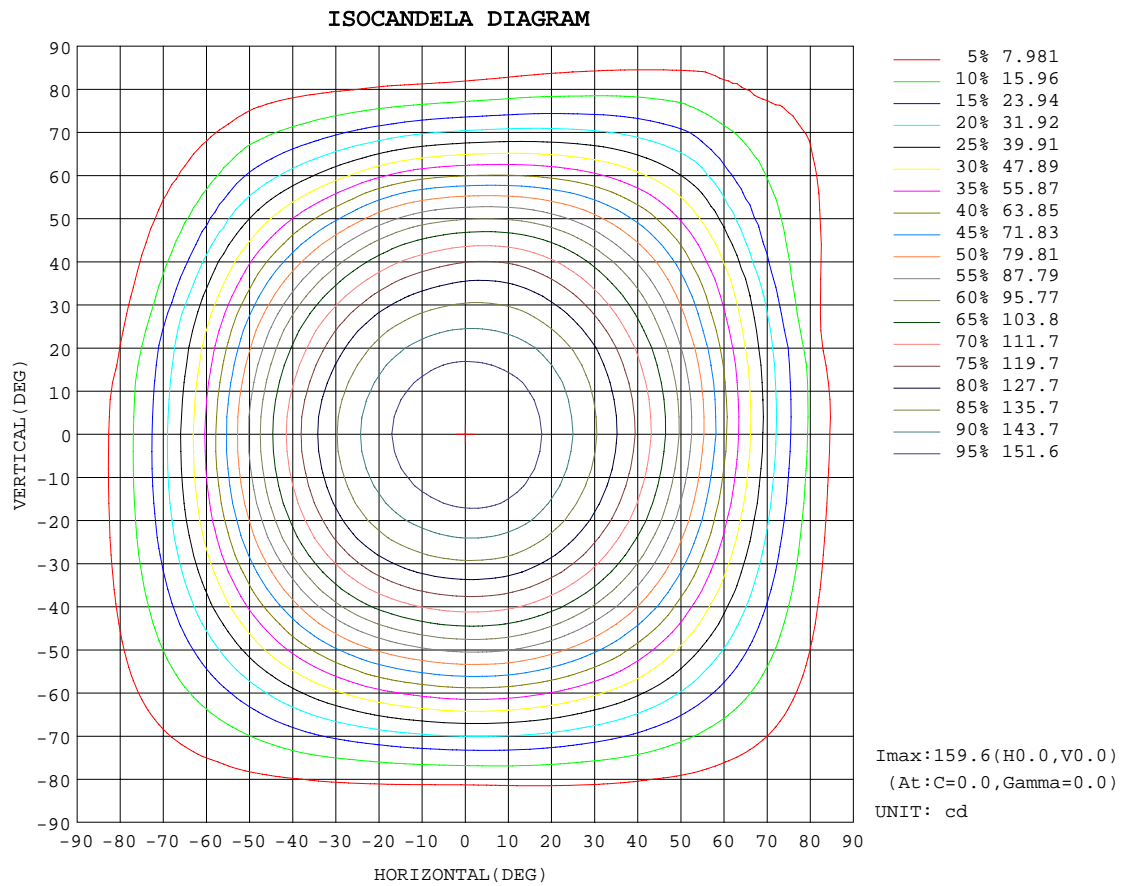
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 51 | 41 | 35 | 50 | 41 | 35 | 49 | 40 | 35 | 29 |
| 0.80 | 59 | 50 | 44 | 58 | 49 | 43 | 57 | 49 | 43 | 37 |
| 1.00 | 67 | 58 | 51 | 66 | 57 | 51 | 64 | 58 | 51 | 45 |
| 1.25 | 73 | 64 | 58 | 72 | 64 | 58 | 69 | 62 | 57 | 51 |
| 1.50 | 77 | 69 | 63 | 76 | 68 | 63 | 73 | 67 | 62 | 56 |
| 2.00 | 83 | 76 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 62 |
| 2.50 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 76 | 72 | 65 |
| 3.00 | 89 | 83 | 79 | 87 | 82 | 78 | 83 | 79 | 76 | 69 |
| 4.00 | 92 | 87 | 83 | 90 | 86 | 82 | 86 | 83 | 80 | 73 |
| 5.00 | 94 | 90 | 87 | 92 | 88 | 85 | 88 | 85 | 83 | 75 |
| 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: 28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity: 56%
Test Distance: 6.810m [K=0.8223]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

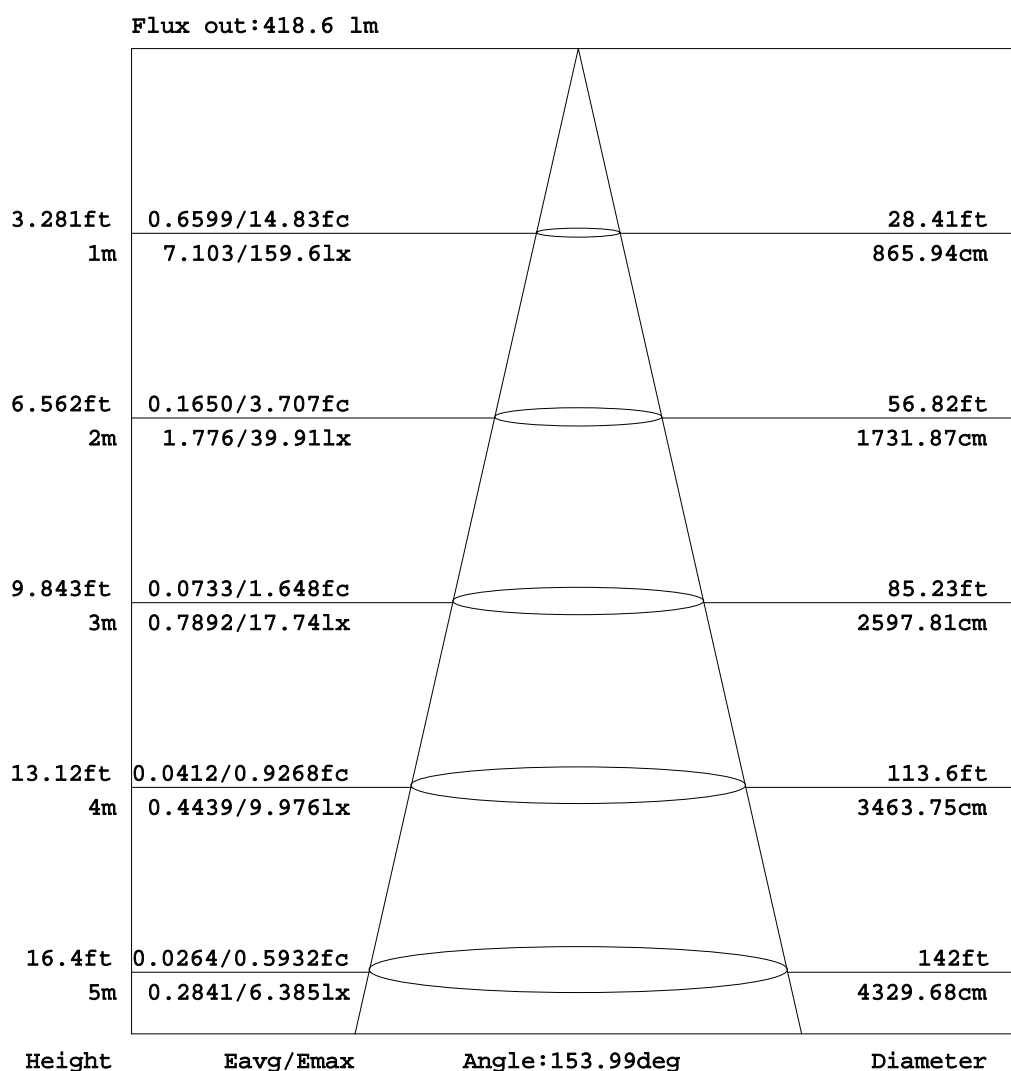


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

AAI Figure

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



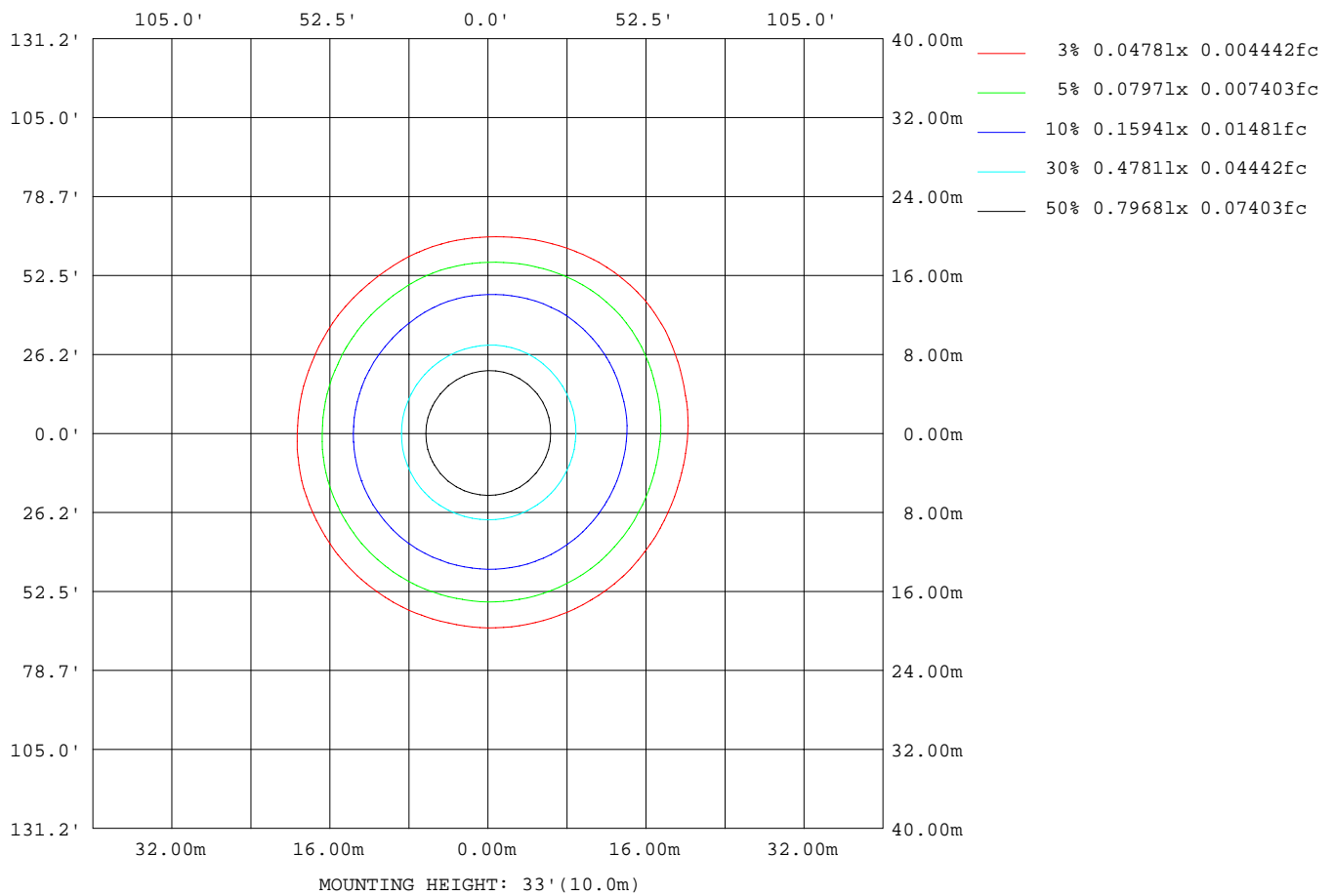
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

ISOLUX DIAGRAM

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity: 56%
Test Distance: 6.810m [K=0.8223]
Remarks:

Average Luminance Table (CIBSE)

| | | |
|--------------------|--------|-------------------|
| NAME: X-Glo-30-36v | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| Parameter description for average Luminance | Symbol | Value | Unit |
|--|--------|---------------|----------|
| Luminance in Azimuth Plane | Bc | refer Table 2 | cd/sq.m. |
| Intensity at angle Gamma in given azimuth plane | I | from data | cd/klm |
| Number of lamps | N | 1 | |
| Output of each lamp(initial lumens as specified) | F | 500 | lm |
| Multiplying factor | K | 1 | |
| Luminous area in horizontal plane used in calculations | A | 0.12 | sq.m. |
| Angle to the downward vertical from light centre | Gamma | from data | deg |

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

| G | C plane(deg) | | | | | | | | | | | | | | | | | | |
|-----|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| deg | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 55 | 1175 | 1144 | 1129 | 1121 | 1117 | 1113 | 1110 | 1107 | 1103 | 1092 | 1084 | 1082 | 1083 | 1083 | 1079 | 1074 | 1074 | 1067 | 1059 |
| 60 | 1098 | 1064 | 1047 | 1038 | 1037 | 1040 | 1032 | 1023 | 1014 | 1003 | 993 | 992 | 989 | 988 | 985 | 976 | 973 | 960 | 951 |
| 65 | 1006 | 972 | 956 | 947 | 951 | 944 | 931 | 918 | 910 | 902 | 890 | 887 | 885 | 882 | 876 | 866 | 860 | 857 | 834 |
| 70 | 908 | 868 | 851 | 842 | 842 | 832 | 817 | 804 | 786 | 774 | 763 | 767 | 770 | 771 | 762 | 755 | 752 | 749 | 719 |
| 75 | 803 | 750 | 737 | 728 | 722 | 709 | 693 | 674 | 656 | 638 | 633 | 636 | 646 | 655 | 651 | 646 | 648 | 650 | 624 |
| 80 | 710 | 639 | 620 | 601 | 599 | 588 | 561 | 527 | 493 | 472 | 477 | 498 | 523 | 544 | 547 | 549 | 561 | 572 | 544 |
| 85 | 710 | 587 | 569 | 553 | 545 | 507 | 419 | 307 | 234 | 202 | 226 | 289 | 398 | 476 | 477 | 510 | 513 | 535 | 521 |

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

| CIBSE Category | Gamma (deg) | Average Luminance | | Patch Luminance | |
|-------------------|----------------|-------------------|-----------|-----------------|-----------|
| | | maximum | specified | maximum | specified |
| | | calculated | maximum | measured | maximum |
| Category 1 | 55 to 90 | 1175 | 200 | --- | 500 |
| Category 2 | 65 to 90 | 1006 | 200 | --- | 500 |
| Category 3 | 75 to 90 | 803 | 200 | --- | 500 |

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:
Test Date:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:56%
Test Distance:6.810m [K=0.8223]
Remarks:

```