

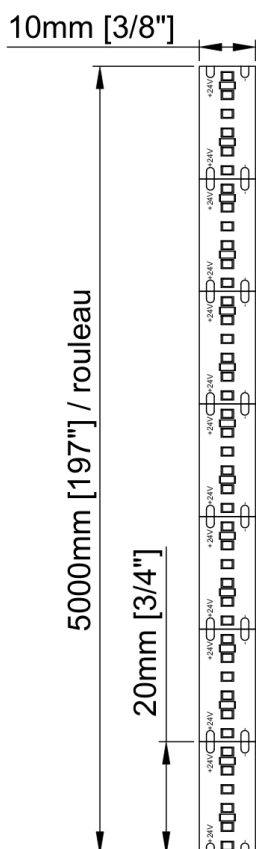
# TITANIUM

TECHNOLOGIE

TT-2216-L1500



- Ruban Del SMD2216 en rouleau de 5 mètres.



|                      |  |  |
|----------------------|--|--|
| Tension              | 24vDC  |  |
| DEL/m                | 300 / m  |  |
| Puissance            | 34,12w / m<br>10,40w / pied<br>170,56w / rouleau   |  |
| Ampérage             | 1,34 / m<br>0,44 / pied<br>7,11 / rouleau  |  |
| Lumens               | 27K - 426 lm / pied<br>30K - 425 lm / pied<br>35K - 432 lm / pied<br>40K - 451 lm / pied<br>60K - 503 lm / pied  | 51 lm / w<br>52 lm / w<br>-<br>-<br>61 lm / w  |
| IRC                  | 90   |  |
| Angle                | 120°   |  |
| Dimension            | IP20   | 10mm x 1,1mm x 5000mm<br>$\frac{3}{8}'' \times \frac{1}{16}'' \times 196\frac{7}{8}''$ |
|                      | IP65   | 10mm x 2,5mm x 5000mm<br>$\frac{3}{8}'' \times \frac{1}{8}'' \times 196\frac{7}{8}''$  |
|                      | IP67   | 13mm x 5mm x 5000mm<br>$\frac{1}{2}'' \times \frac{3}{16}'' \times 196\frac{7}{8}''$   |
| Ligne de coupe       | 20 mm<br>$\frac{3}{4}''$   |  |
| Finition             | Blanc  |  |
| Gradable             | Oui  |  |
| Couleur DEL          | <b>27K</b> - Blanc chaud 2700K<br><b>30K</b> - Blanc chaud 3000K<br><b>35K</b> - Blanc neutre 3500K<br><b>40K</b> - Blanc neutre 4000K<br><b>60K</b> - Blanc froid 6000K<br><b>R</b> - Rouge<br><b>G</b> - Vert<br><b>B</b> - Bleu<br><b>A</b> - Ambre |  |
| Temp. fonctionnement | -40°C ~ 70°C   |  |
| IP                   | <b>20, 65, 67</b>  |  |

## CODE PRODUIT

| TT | SMD  | DEL PAR ROULEAU | IP | COULEUR DEL | TENSION |
|----|------|-----------------|----|-------------|---------|
| TT | 2216 | L1500           | 20 | 27K         | 24V     |
| TT | 2216 | L1500           |    |             | 24V     |

# IES Indoor Report

Photometric Filename:TT-2216-L1500-3000K-3-Milky LENS.IES

## Indoor Luminaire Photometric Data

### Description Information

|  |                                 |                             |
|--|---------------------------------|-----------------------------|
| Luminaire Name: TT-2216-L1500-3000k-3-Milky lens | Luminaire Catalog:              | Test ID:                    |
| Lamp Name: TT-2216-L1500-3000k-3-Milky lens      | Lamp Catalog: 2216              | Test Date: 2021/03/17       |
| Manufacture: TITANIUM TECHNOLOGIE                | ShieldingAngle(°):              | Test Machine: GON-2000      |
| Test Lab:  | Frequency(Hz):                  | Luminaire CCT(K):           |
| Luminaire Size(W*L*H): 0.120*0.304*0.060         | Lighting Area(m2): 0.055        | Luminaire Weight(kg): 0.100 |
| Test System: C, $\gamma$                         | Test Step: C=45.0 $\gamma$ =1.0 | Temperature(°C): 25         |
|  |                                 | Humidity(%):                |

### Character Parameter

| Lamp Speciality Parameter               |                                       |
|---|---------------------------------------|
| Lamp Rated Lumens(lm): 448.000          | Lamp Number in Luminaire: 1           |
| Lamp Norminal Power(W):                 | Lamp Rated Voltage(V):                |
| Lamp Tested Power(W): 8.239             | Lamp Tested Voltage(V): 24.5          |
| Lamp Tested Current(A): 0.335           | Lamp Tested PF:                       |
| Lamp Size(W*L*H): 0.120*0.304*0.060     |                                       |
| Luminaire Speciality                    |                                       |
| Luminaire Lumens(lm): 177.498           | Beam Angle(10%Imax): 102.6            |
| Luminaire Efficiency: 39.62%            | Left=-50.0 Right=52.6                 |
| Luminaire EER(lm/W): 21.544             | Field Angle(10%Imax): 143.2           |
| Muximum Cand.(cd): 75.079               | Spacing Criteria S/MH(C0_180): 1.217  |
| Max Cd. Angle(°): C=315.0 $\gamma$ =2.0 | Spacing Criteria S/MH(C90_270): 1.222 |
| Downward Lumens(lm): 177.498            | CIE Type: Semi-Direct                 |
| Upward Lumens(lm): 0.000                | ErP $\phi$ use(120deg): 156.255lm     |
| Downward Total Efficiency%: 100.00      | IRF(%): 115.101                       |
| Upward Total Efficiency%: 0.00          |                                       |

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## 2D Light Intensity Distribution Curve

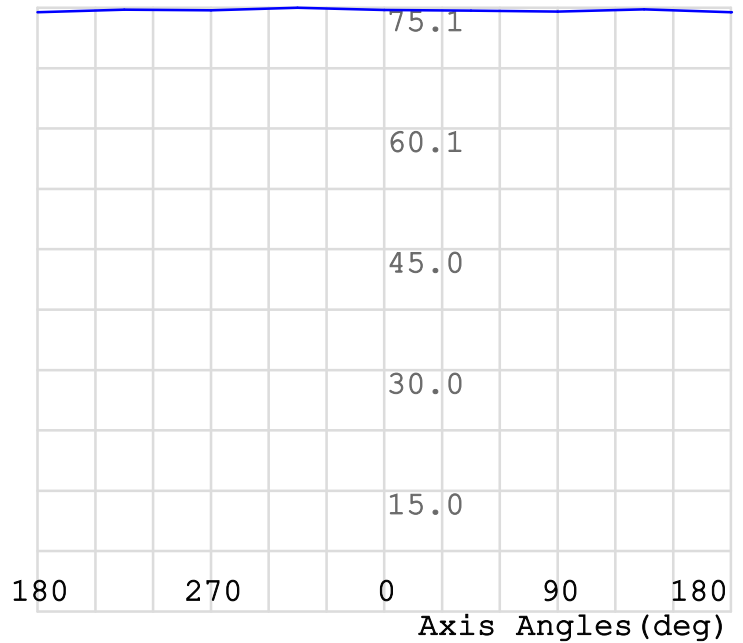
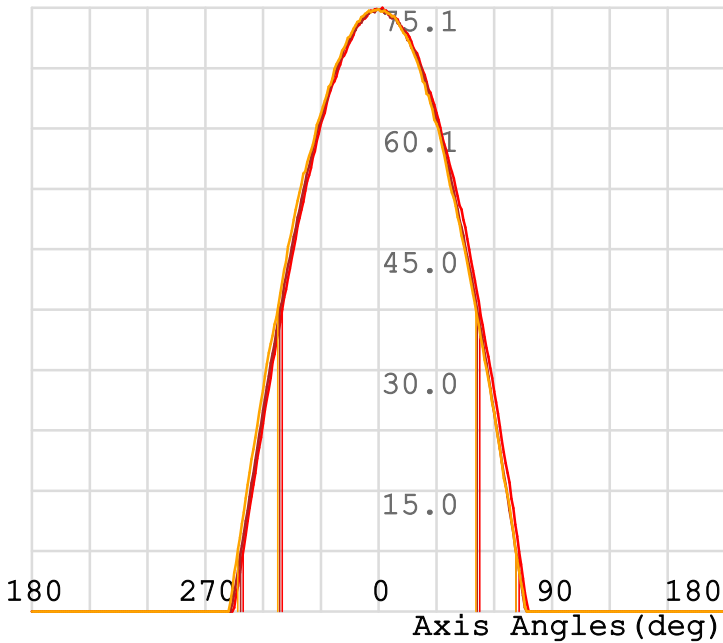
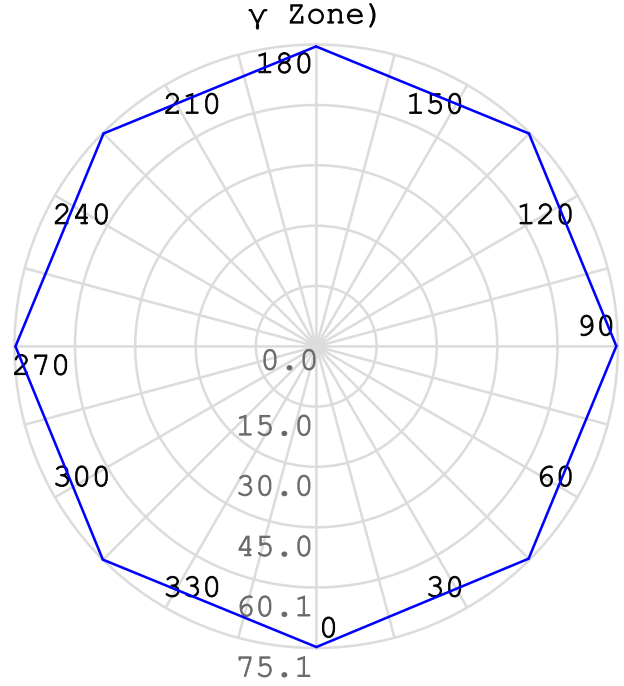
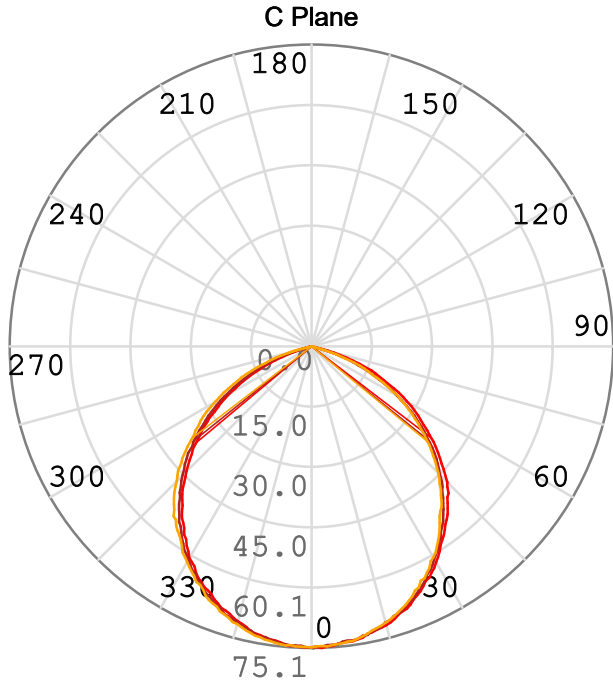
Plane [50%Ang.] [10%Ang.]

C315.0: 102.6 143.2

C0.0: 102.5 142.9

C90.0: 103.0 144.4

Polar Graph



C Plane: C315.0\_135.0

C0.0\_180.0

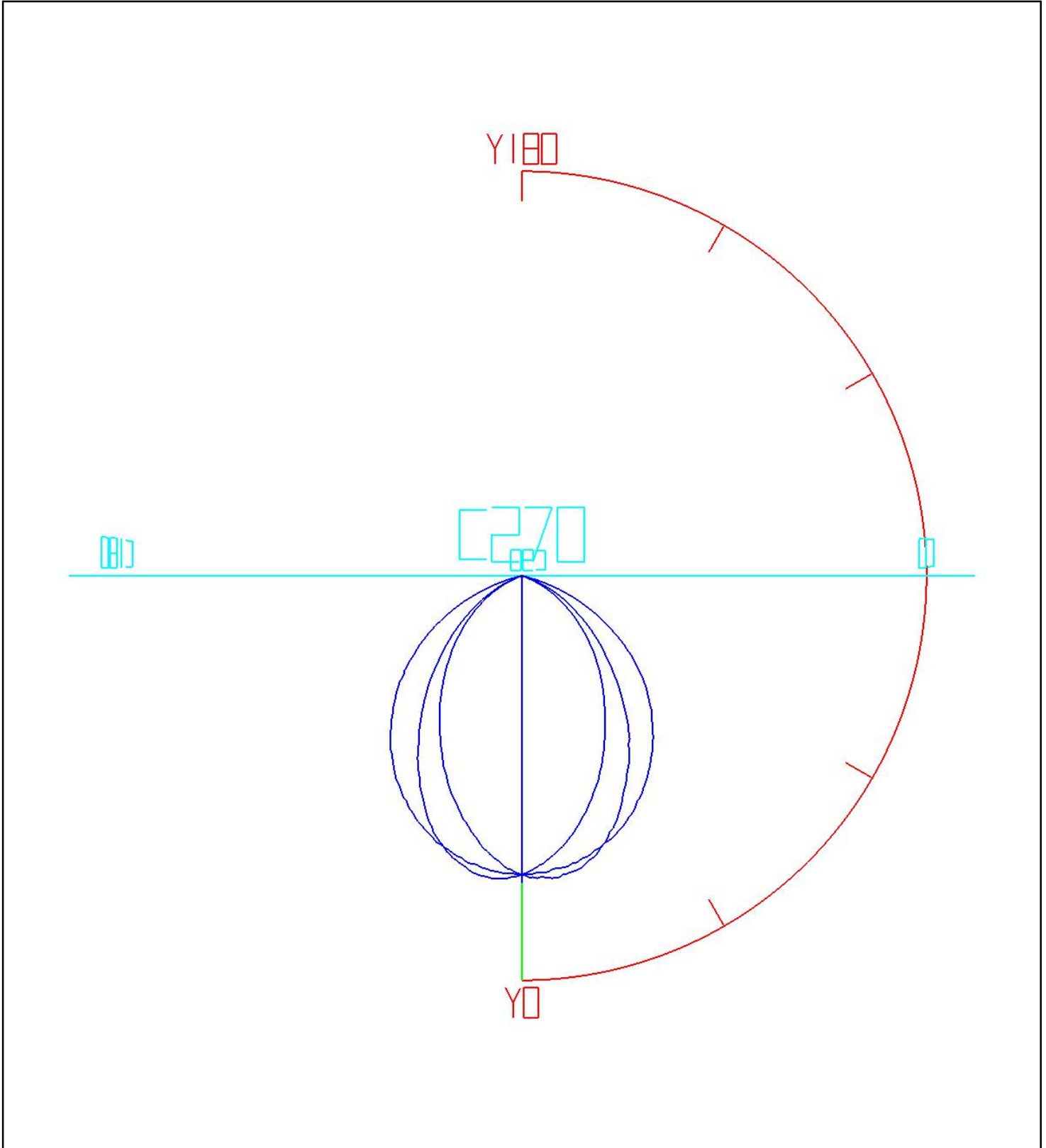
C90.0\_270.0

γ Cone: γ2.0

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## 3D Light Intensity Distribution Curve

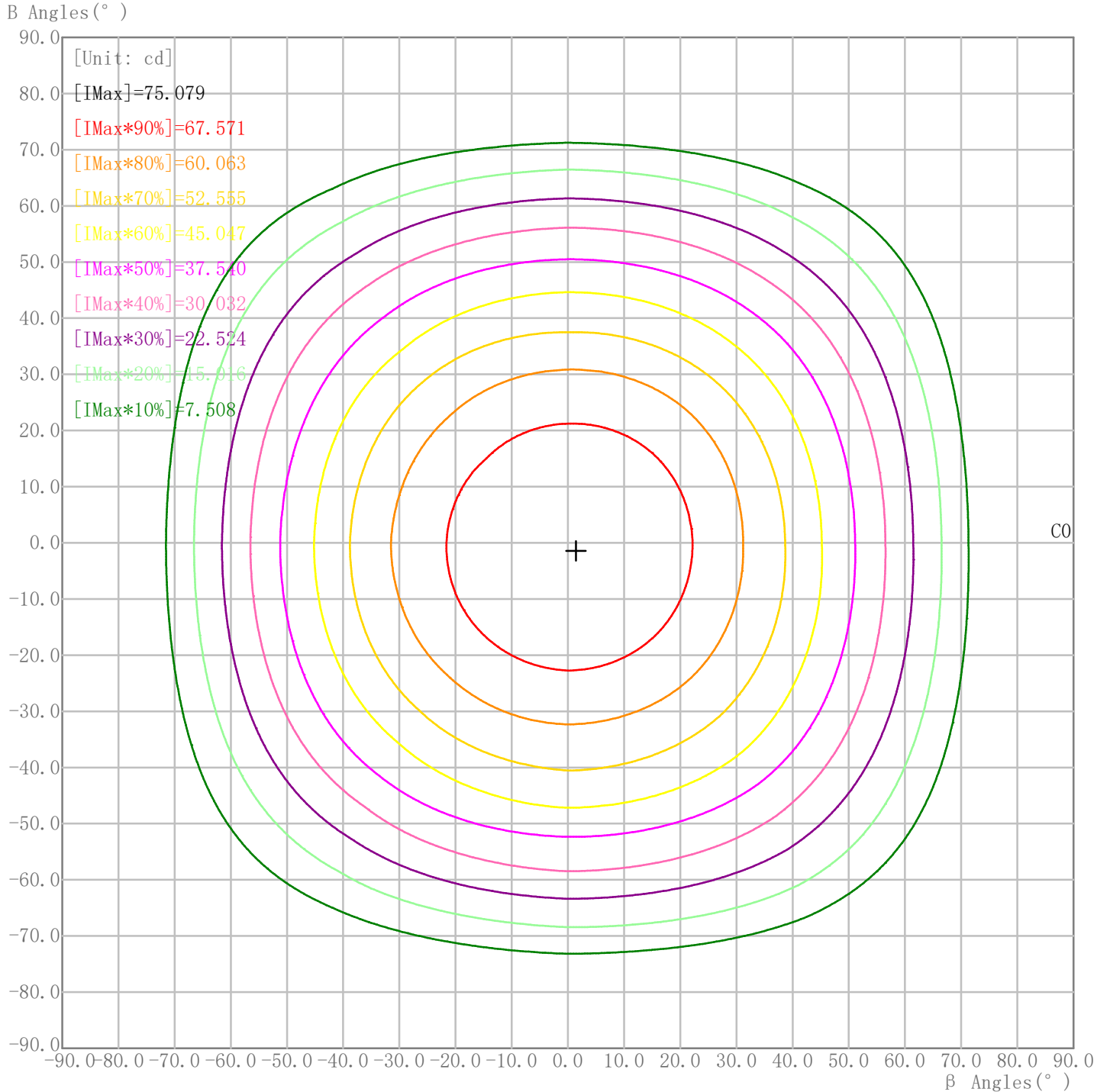


Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

# IES Indoor Report

Photometric Filename: TT-2216-L1500-3000K-3-Milky LENS.IES

## Rectangle ISO Light Intensity Curve



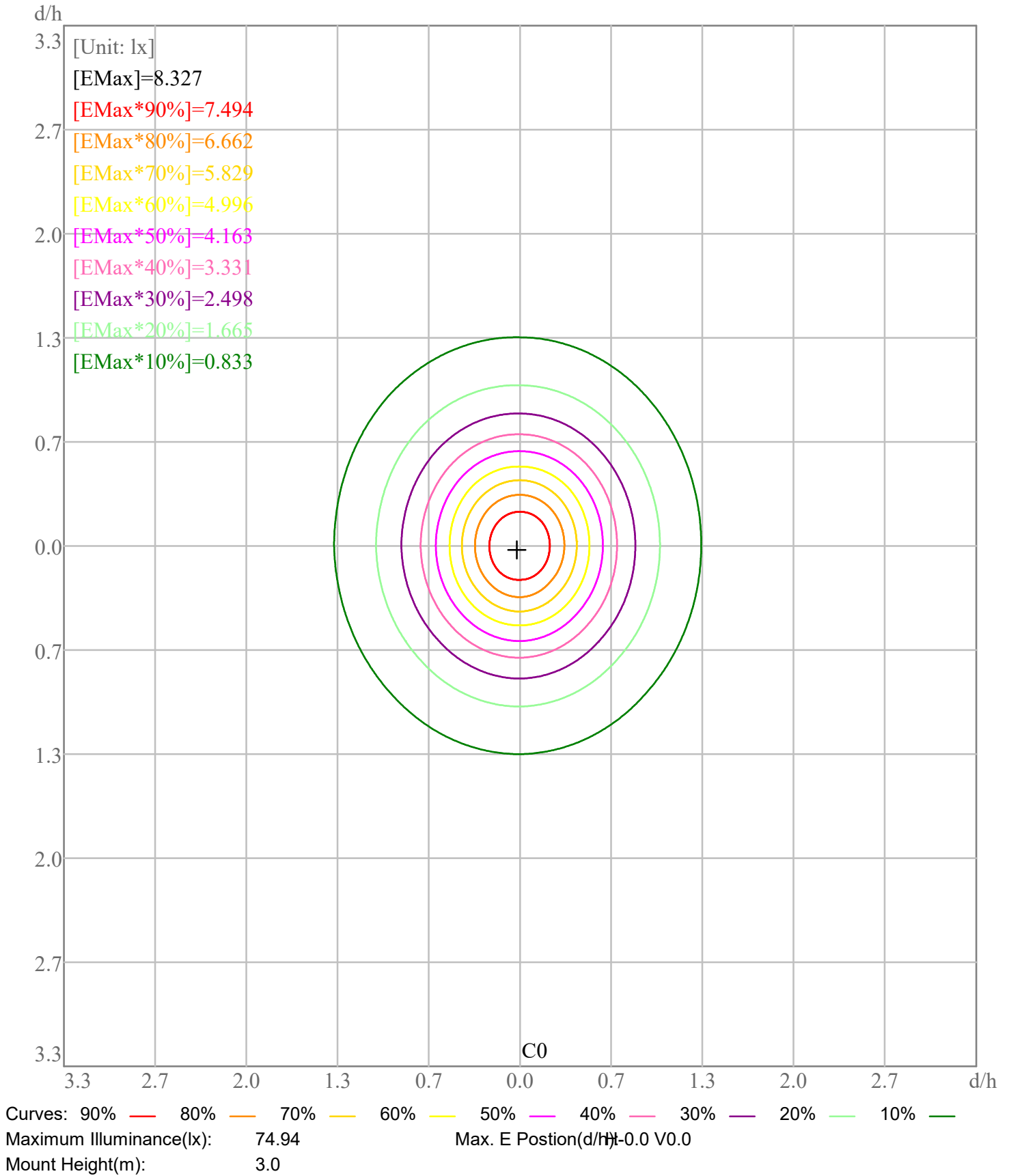
Curves: 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —

Maximum Light Intensity(cd): 75.08      Maximum Cd. Angles: H1.4 V-1.4

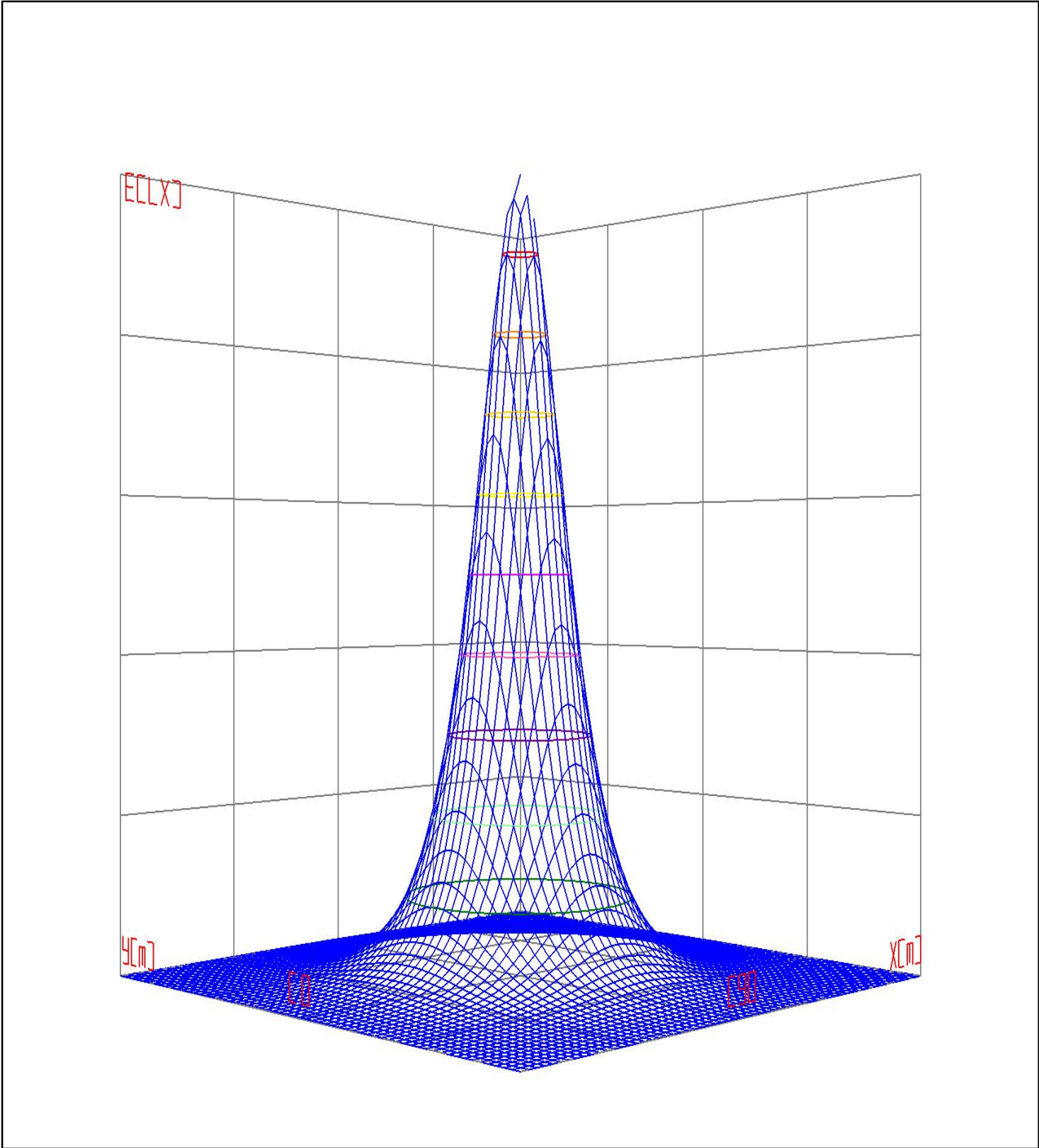
# IES Indoor Report

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## Plane ISO-Illuminance Curve



3D Plane ISO Illuminance Curve

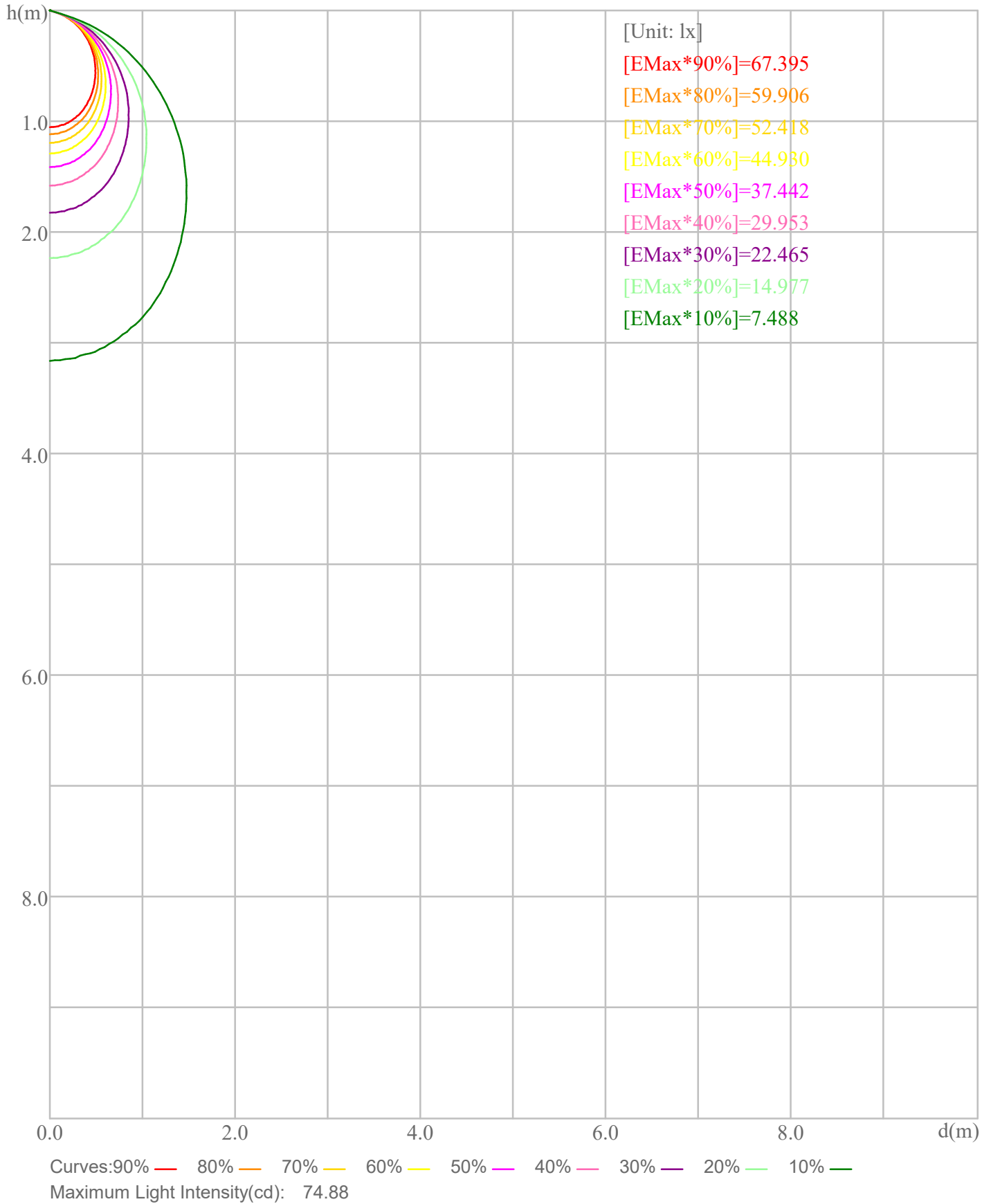


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10%  
View Angles(deg): 0      Height(m): 3.0      Distance(m): 10.0

# IES Indoor Report

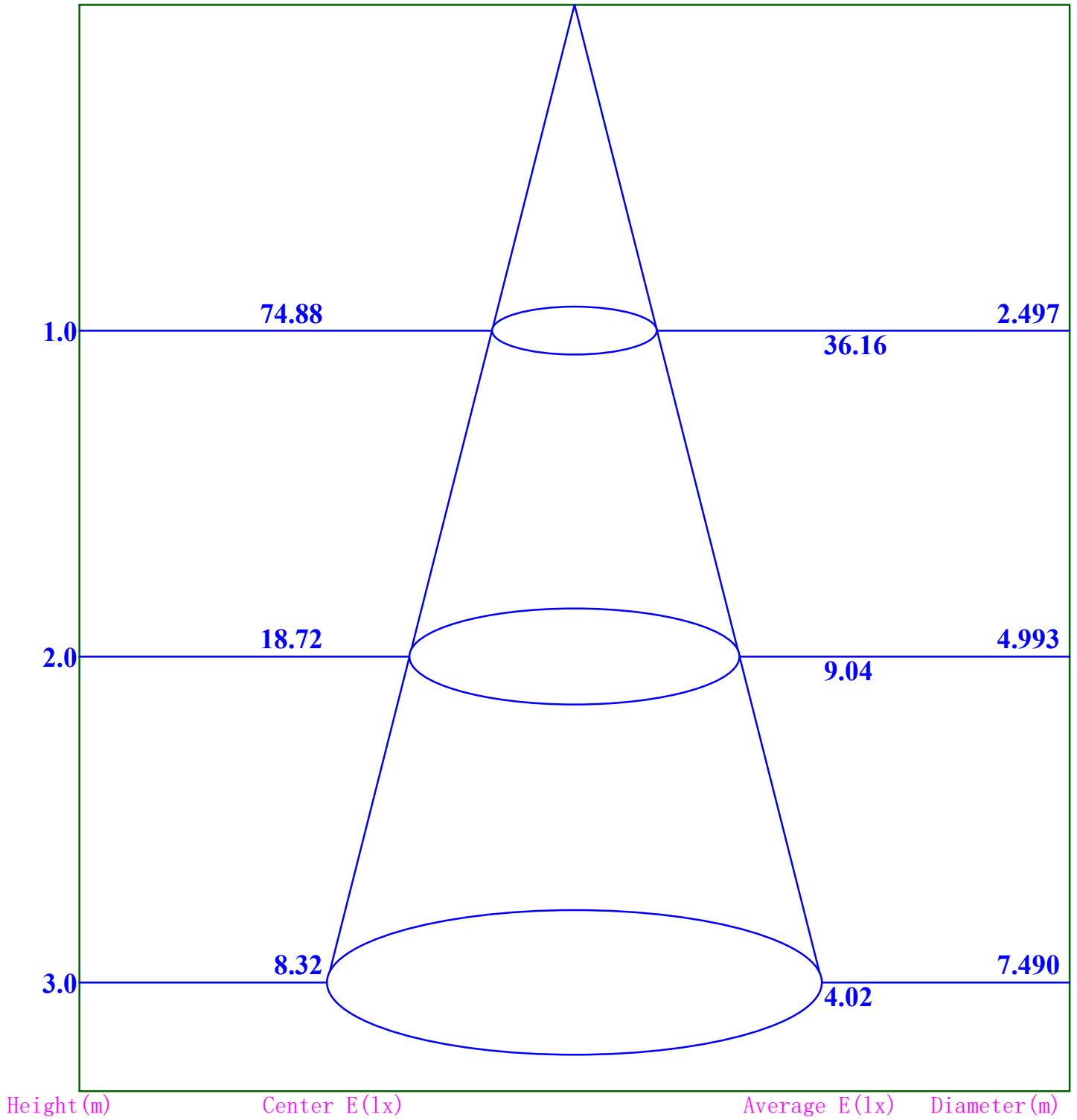
Photometric Filename: TT-2216-L1500-3000K-3-Milky LENS.IES

## Space ISO Illuminance Curve





Illuminance-Distance Curve



**Beam Angle:102.6**

# IES Indoor Report

Photometric Filename:TT-2216-L1500-3000K-3-Milky LENS.IES

## Indoor Luminance Limiting Curve

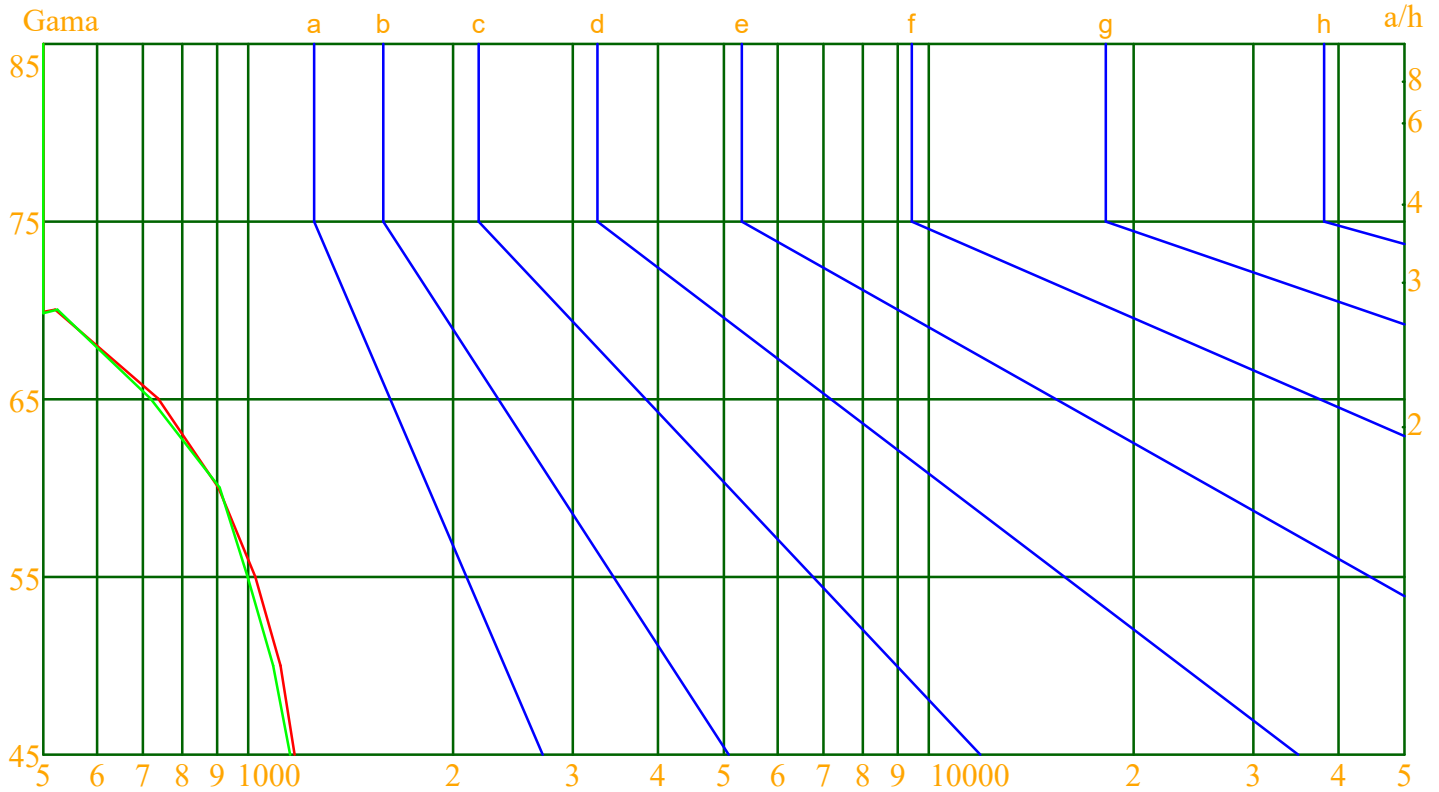
Glare Grade Table

| GI   | Quality | Using Illuminance |      |      |       |       |       |       |       |
|------|---------|-------------------|------|------|-------|-------|-------|-------|-------|
|      |         | a                 | b    | c    | d     | e     | f     | g     | h     |
| 1.15 | A       | 2000              | 1000 | 500  | <=300 |       |       |       |       |
| 1.5  | B       |                   | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85 | C       |                   |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.2  | D       |                   |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55 | E       |                   |      |      |       | 2000  | 1000  | 500   | <=300 |
|      |         | a                 | b    | c    | d     | e     | f     | g     | h     |

Luminance Table

| Gama(deg) | 45   | 50   | 55   | 60  | 65  | 70  | 75  | 80 | 85 |
|-----------|------|------|------|-----|-----|-----|-----|----|----|
| C0        | 1170 | 1115 | 1024 | 904 | 738 | 520 | 140 | 0  | 0  |
| C90       | 1153 | 1088 | 997  | 908 | 719 | 524 | 175 | 0  | 0  |

Luminance Limiting Curve

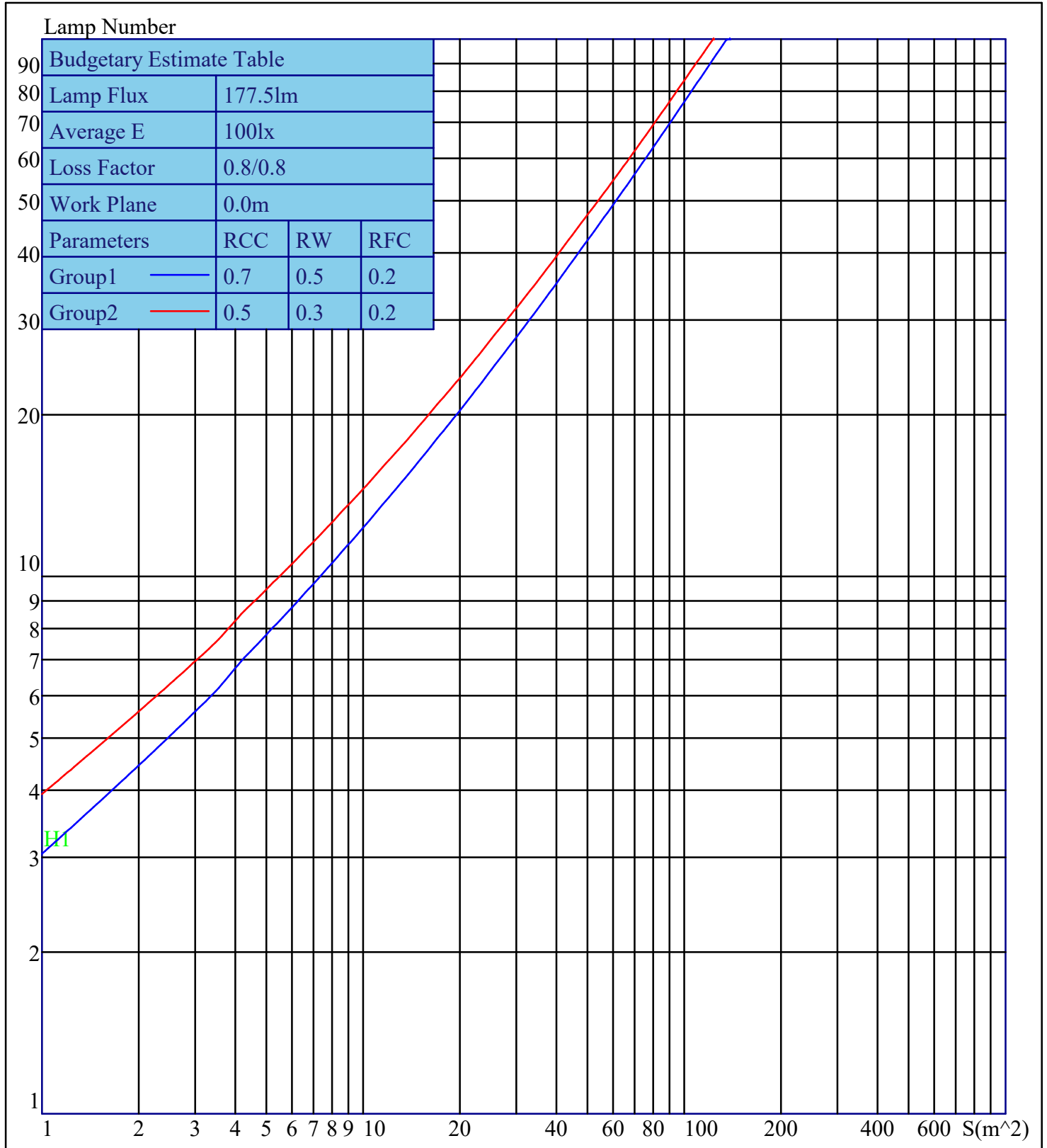


Luminous Size: Length(m)=0.304    Width(m)=0.120    Height(m)=0.060    Area(m<sup>2</sup>)=0.054720  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: —    C90-C270 Color: —

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## Indoor Budgetary Estimate Table



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8  
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8  
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2