

## Luminaire

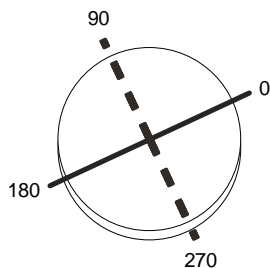
Code M276125+M282007  
Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica

## Measurerm.

Code FTS1500281  
Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica

|   |                   |                   |               |                             |             |
|---|-------------------|-------------------|---------------|-----------------------------|-------------|
| Efficiency  | 100.00%           | Coordinate system | CG            | Total Flux                  | 1307.05 lm  |
| Maximum value   | 1033.82 cd/klm    | Position          | C=0.00 G=0.00 | Double Symmetrical          |             |
| Round Luminaire   |                   | Diam.             | 95 mm         | Height                      | 100 mm      |
| Round Luminous Area   |                   | Diam.             | 65 mm         | Height                      | 0 mm        |
| Horizontal Luminous Area  | 0.003318 m2       |                   |               | Emitting area on Plane 180° | 0.000000 m2 |
| Emitting area on Plane 0°   | 0.000000 m2       |                   |               | Emitting area on Plane 270° | 0.000000 m2 |
| Emitting area on Plane 90°  | 0.000000 m2       |                   |               | Glare area at 76°           | 0.000803 m2 |
| Date  | 09-02-2015        |                   |               | Maximum Gamma Angle         | 90          |
| Measurement Distance  | 0.00              |                   |               | Measurement Flux            | 1307.05 lm  |
| 4000K - I <sub>max</sub> =1034 cd/klm - LED Flux=2722 lm - LED Power=25 W - Eff=48 % - EfcLED=109 lm/W - EfcLum=47 lm/W<br>Ra=80 min - SDCM=3 - Life=L70(9K)>54,000 ore |                   |                   |               |                             |             |
| C.I.E.  | 80 97 100 100 100 |                   | D DIN 5040    | A60                         |             |
| F UTE   | 1.00 B            |                   | B NBN         | BZ 1                        |             |

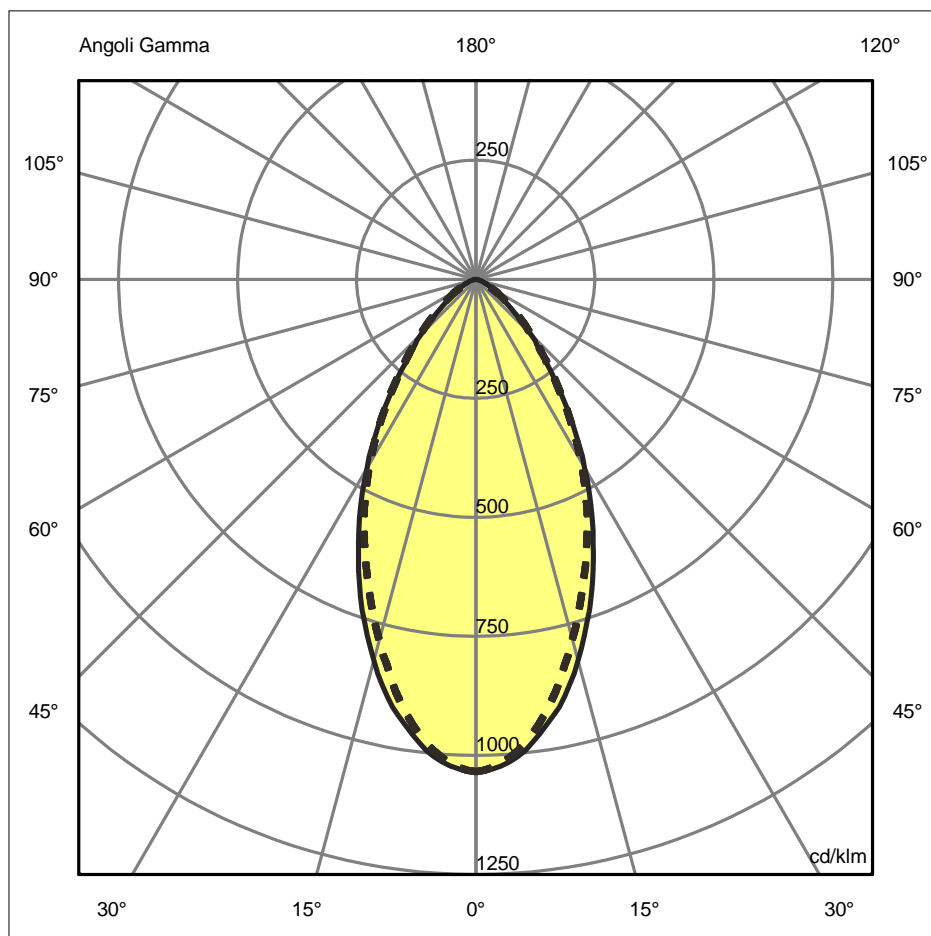
Diam=95mm



Semipiani C

180.0 ——— 0.0  
270.0 - - - - - 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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## Measur.

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Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica

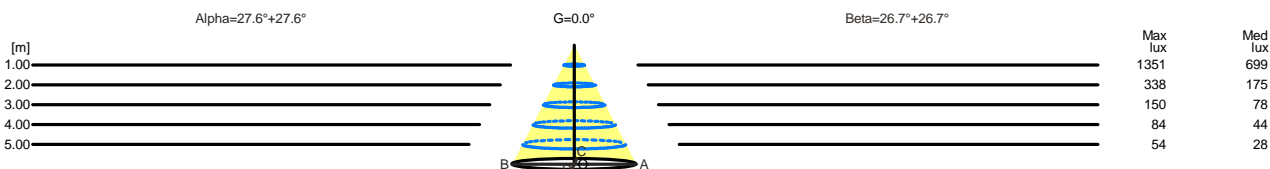
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|--|-------------------|-------------------|---------------|-----------------------------|-------------|
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| Date   | 09-02-2015        |                   |               | Maximum Gamma Angle         | 90          |
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| 4000K - Imax=1034 cd/klm - LED Flux=2722 lm - LED Power=25 W - Eff=48 % - EfcLED=109 lm/W - EfcLum=47 lm/W<br>Ra=80 min - SDCM=3 - Life=L70(9K)>54,000 ore |                   |                   |               |                             |             |
| C.I.E.   | 80 97 100 100 100 |                   | D DIN 5040    | A60                         |             |
| F UTE  | 1.00 B            |                   | B NBN         | BZ 1                        |             |

Width at 50.00 % of Max Intensity

| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| OA   | 0.52 | 1.05 | 1.57 | 2.09 | 2.62 | OC   | 0.50 | 1.00 | 1.51 | 2.01 | 2.51 |
| OB   | 0.52 | 1.05 | 1.57 | 2.09 | 2.62 | OD   | 0.50 | 1.00 | 1.51 | 2.01 | 2.51 |

Luminous Intensities [ cd/klm]

|    | 0       | 5       | 15      | 25     | 35     | 45     | 55    | 65    | 75    | 85   |
|----|---------|---------|---------|--------|--------|--------|-------|-------|-------|------|
| OA | 1351.26 | 1315.44 | 1083.04 | 760.98 | 443.25 | 212.41 | 87.04 | 36.72 | 13.49 | 0.73 |
| OB | 1351.26 | 1315.44 | 1083.04 | 760.98 | 443.25 | 212.41 | 87.04 | 36.72 | 13.49 | 0.73 |
| OC | 1351.26 | 1301.37 | 1024.35 | 725.51 | 434.95 | 217.30 | 90.38 | 22.81 | 5.44  | 0.59 |
| OD | 1351.26 | 1301.37 | 1024.35 | 725.51 | 434.95 | 217.30 | 90.38 | 22.81 | 5.44  | 0.59 |



| H[m] | D[m] | Max lux | Med lux | Alpha=27.6°+27.6° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.05 | 1351    | 699     |                   |       |
| 2.00 | 2.09 | 338     | 175     |                   |       |
| 3.00 | 3.14 | 150     | 78      |                   |       |
| 4.00 | 4.18 | 84      | 44      |                   |       |
| 5.00 | 5.23 | 54      | 28      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=26.7°+26.7° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.00 | 1351    | 699     |                  |       |
| 2.00 | 2.01 | 338     | 175     |                  |       |
| 3.00 | 3.01 | 150     | 78      |                  |       |
| 4.00 | 4.02 | 84      | 44      |                  |       |
| 5.00 | 5.02 | 54      | 28      |                  |       |