

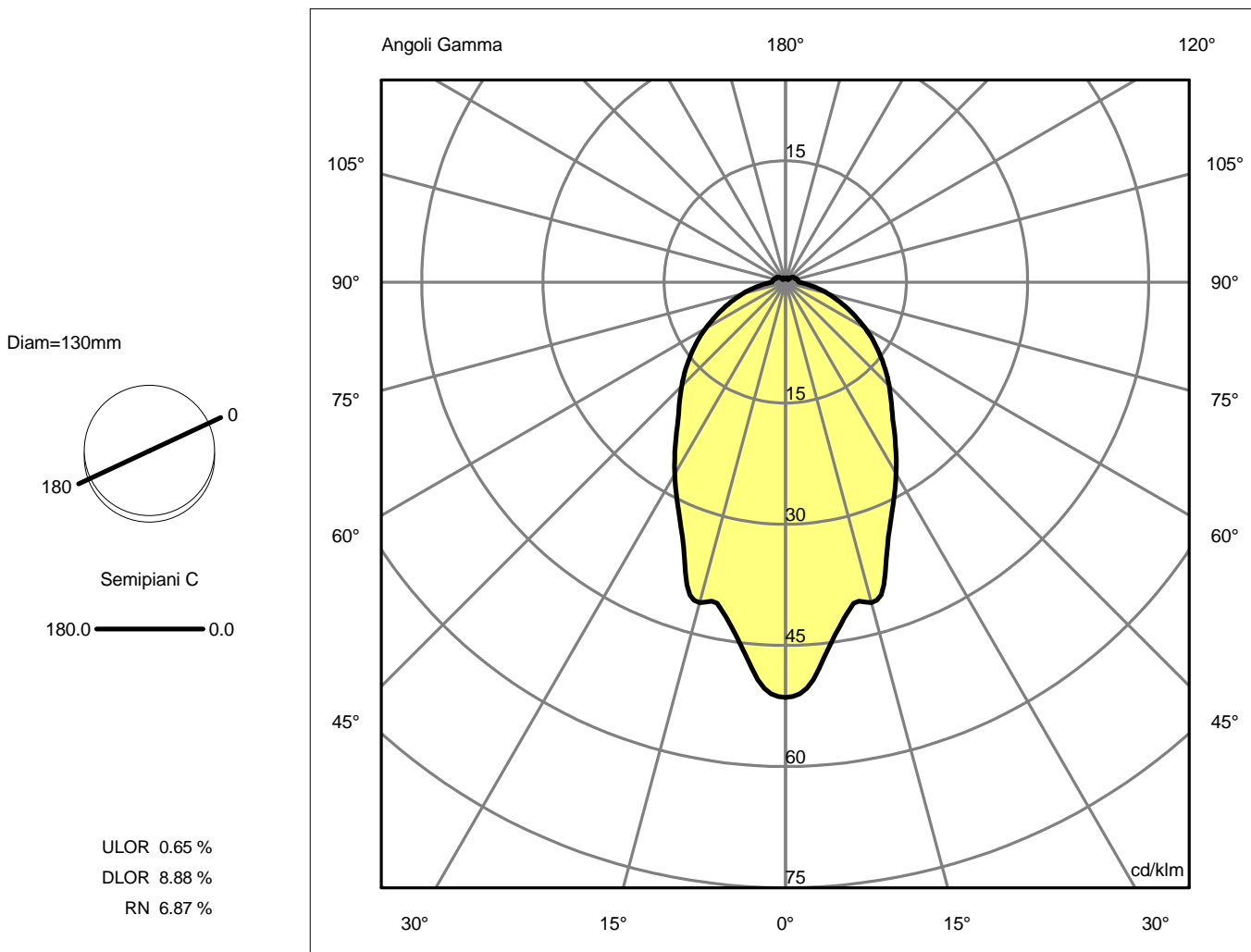
## Luminaire

Code 0940050A  
Name NULL VECTOR ALFA S BLU

## Measurem.

Code FTS1601213  
Name NULL VECTOR ALFA S BLU

|   |                                   |   |                  |   |                |   |                 |
|---|-----------------------------------|---|------------------|---|----------------|---|-----------------|
| Luminaire Flux  | 47.59 lm                          | Luminaire Power                           | 6.00 W           | Efficacy  | 7.93 lm/W      | Efficiency                                | 9.54%           |
| Lamps Flux  | 499.00 lm                         | Maximum value                             | 51.42 cd/klm     | Position  | C=0.00 G=0.00  | CG  | Rotosymmetrical |
| Round Luminaire<br>Round Luminous Area  |                                   | Diam.<br>Diam.                            | 130 mm<br>130 mm | Height<br>Height  | 305 mm<br>0 mm |   |                 |
| Horizontal Luminous Area<br>Emitting area on Plane 0°<br>Emitting area on Plane 90° |                                   | 0.013273 m2<br>0.000000 m2<br>0.000000 m2 |                  | Emitting area on Plane 180°<br>Emitting area on Plane 270°<br>Glare area at 76° |                | 0.000000 m2<br>0.000000 m2<br>0.003211 m2 |                 |
| Coordinate system<br>Date<br>Measurement Distance                                   |                                   | CG<br>22-03-2016<br>0.00                  |                  | Symmetry Type<br>Maximum Gamma Angle<br>Measurement Flux                        |                | Rotosymmetrical<br>180<br>499.00 lm       |                 |
| 1x6W LED (E14)  |                                   |   |                  |   |                |   |                 |
| C.I.E.<br>F UTE   | 53 80 94 93 10<br>0.09 D + 0.01 T |   |                  | D DIN 5040<br>B NBN   |                | A41<br>BZ 3 / 0.6 / BZ 4                  |                 |



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## Measurement

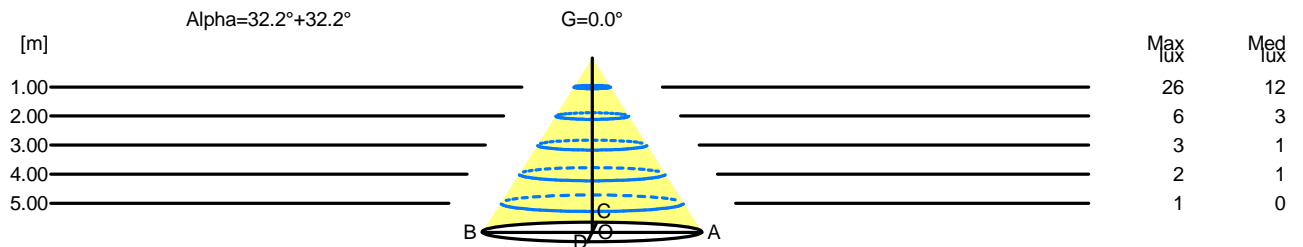
Code FTS1601213  
Name NULL VECTOR ALFA S BLU

|   |                                   |   |                  |   |                          |   |                 |
|---|-----------------------------------|---|------------------|---|--------------------------|---|-----------------|
| Luminaire Flux  | 47.59 lm                          | Luminaire Power                           | 6.00 W           | Efficacy  | 7.93 lm/W                | Efficiency                                | 9.54%           |
| Lamps Flux  | 499.00 lm                         | Maximum value                             | 51.42 cd/klm     | Position  | C=0.00 G=0.00            | CG  | Rotosymmetrical |
| Round Luminaire<br>Round Luminous Area  |                                   | Diam.<br>Diam.                            | 130 mm<br>130 mm | Height<br>Height  | 305 mm<br>0 mm           |   |                 |
| Horizontal Luminous Area<br>Emitting area on Plane 0°<br>Emitting area on Plane 90° |                                   | 0.013273 m2<br>0.000000 m2<br>0.000000 m2 |                  | Emitting area on Plane 180°<br>Emitting area on Plane 270°<br>Glare area at 76° |                          | 0.000000 m2<br>0.000000 m2<br>0.003211 m2 |                 |
| Coordinate system<br>Date<br>Measurement Distance                                   |                                   | CG<br>22-03-2016<br>0.00                  |                  | Symmetry Type<br>Maximum Gamma Angle<br>Measurement Flux                        |                          | Rotosymmetrical<br>180<br>499.00 lm       |                 |
| 1x6W LED (E14)  |                                   |   |                  |   |                          |   |                 |
| C.I.E.<br>F UTE   | 53 80 94 93 10<br>0.09 D + 0.01 T |   |                  | D DIN 5040<br>B NBN   | A41<br>BZ 3 / 0.6 / BZ 4 |   |                 |

### 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   | 0.63 | 1.26 | 1.89 | 2.52 | 3.15 | OC   | 0.63 | 1.26 | 1.89 | 2.52 | 3.15 |
| OB   | 0.63 | 1.26 | 1.89 | 2.52 | 3.15 | OD   | 0.63 | 1.26 | 1.89 | 2.52 | 3.15 |

|    | Luminous Intensities [ cd/klm] |       |       |       |       |      |      |      |      |      |
|----|--------------------------------|-------|-------|-------|-------|------|------|------|------|------|
|    | 0                              | 5     | 15    | 25    | 35    | 45   | 55   | 65   | 75   | 85   |
| OA | 25.66                          | 23.93 | 20.50 | 15.60 | 11.80 | 9.05 | 6.80 | 4.57 | 2.71 | 1.22 |
| OB | 25.66                          | 23.93 | 20.50 | 15.60 | 11.80 | 9.05 | 6.80 | 4.57 | 2.71 | 1.22 |
| OC | 25.66                          | 23.93 | 20.50 | 15.60 | 11.80 | 9.05 | 6.80 | 4.57 | 2.71 | 1.22 |
| OD | 25.66                          | 23.93 | 20.50 | 15.60 | 11.80 | 9.05 | 6.80 | 4.57 | 2.71 | 1.22 |



| H[m] | D[m] | Max lux | Med lux | Alpha=32.2°+32.2° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.26 | 26      | 12      |                   |       |
| 2.00 | 2.52 | 6       | 3       |                   |       |
| 3.00 | 3.78 | 3       | 1       |                   |       |
| 4.00 | 5.04 | 2       | 1       |                   |       |
| 5.00 | 6.30 | 1       | 0       |                   |       |

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|                |           |                 |              |          |               |            |                 |
|----------------|-----------|-----------------|--------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 47.59 lm  | Luminaire Power | 6.00 W       | Efficacy | 7.93 lm/W     | Efficiency | 9.54%           |
| Lamps Flux     | 499.00 lm | Maximum value   | 51.42 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

**UGR**  
S = 0.250

| Reflectancies  |                 |      |      |      |      |               |      |      |      |      |
|----------------|-----------------|------|------|------|------|---------------|------|------|------|------|
| 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  |
| WorkingPlane   | 0.2             | 0.2  | 0.2  | 0.2  | 0.2  | 0.2           | 0.2  | 0.2  | 0.2  | 0.2  |
| RoomDimensions | ViewedCrosswise |      |      |      |      | ViewedEndwise |      |      |      |      |
| x=2H y=2H      | 11.1            | 12.5 | 11.6 | 12.7 | 13.1 | 11.1          | 12.5 | 11.6 | 12.7 | 13.1 |
| x=2H y=3H      | 12.7            | 13.7 | 13.1 | 14.1 | 14.5 | 12.7          | 13.7 | 13.1 | 14.1 | 14.5 |
| x=2H y=4H      | 13.4            | 14.4 | 13.8 | 14.8 | 15.2 | 13.4          | 14.4 | 13.8 | 14.8 | 15.2 |
| x=2H y=6H      | 14.1            | 15.0 | 14.5 | 15.5 | 15.8 | 14.1          | 15.0 | 14.5 | 15.5 | 15.8 |
| x=2H y=8H      | 14.3            | 15.3 | 14.8 | 15.6 | 16.2 | 14.3          | 15.3 | 14.8 | 15.6 | 16.2 |
| x=2H y=12H     | 14.8            | 15.6 | 15.1 | 16.1 | 16.4 | 14.8          | 15.6 | 15.1 | 16.1 | 16.4 |
| x=4H y=2H      | 11.9            | 12.9 | 12.3 | 13.2 | 13.6 | 11.9          | 12.9 | 12.3 | 13.2 | 13.6 |
| x=4H y=3H      | 13.7            | 14.5 | 14.1 | 15.0 | 15.4 | 13.7          | 14.5 | 14.1 | 15.0 | 15.4 |
| x=4H y=4H      | 14.4            | 15.2 | 14.9 | 15.7 | 16.2 | 14.4          | 15.2 | 14.9 | 15.7 | 16.2 |
| x=4H y=6H      | 15.4            | 16.0 | 15.9 | 16.5 | 17.0 | 15.4          | 16.0 | 15.9 | 16.5 | 17.0 |
| x=4H y=8H      | 15.6            | 16.3 | 16.3 | 16.8 | 17.3 | 15.6          | 16.3 | 16.3 | 16.8 | 17.3 |
| x=4H y=12H     | 16.0            | 16.6 | 16.6 | 17.1 | 17.7 | 16.0          | 16.6 | 16.6 | 17.1 | 17.7 |
| x=8H y=4H      | 14.9            | 15.5 | 15.5 | 16.0 | 16.5 | 14.9          | 15.5 | 15.5 | 16.0 | 16.5 |
| x=8H y=6H      | 15.9            | 16.3 | 16.5 | 16.9 | 17.5 | 15.9          | 16.3 | 16.5 | 16.9 | 17.5 |
| x=8H y=8H      | 16.4            | 16.8 | 17.0 | 17.4 | 18.0 | 16.4          | 16.8 | 17.0 | 17.4 | 18.0 |
| x=8H y=12H     | 16.9            | 17.3 | 17.5 | 17.9 | 18.5 | 16.9          | 17.3 | 17.5 | 17.9 | 18.5 |
| x=12H y=4H     | 14.9            | 15.5 | 15.5 | 15.9 | 16.6 | 14.9          | 15.5 | 15.5 | 15.9 | 16.6 |
| x=12H y=6H     | 16.0            | 16.4 | 16.6 | 17.0 | 17.6 | 16.0          | 16.4 | 16.6 | 17.0 | 17.6 |
| x=12H y=8H     | 16.6            | 16.9 | 17.1 | 17.5 | 18.2 | 16.6          | 16.9 | 17.1 | 17.5 | 18.2 |