

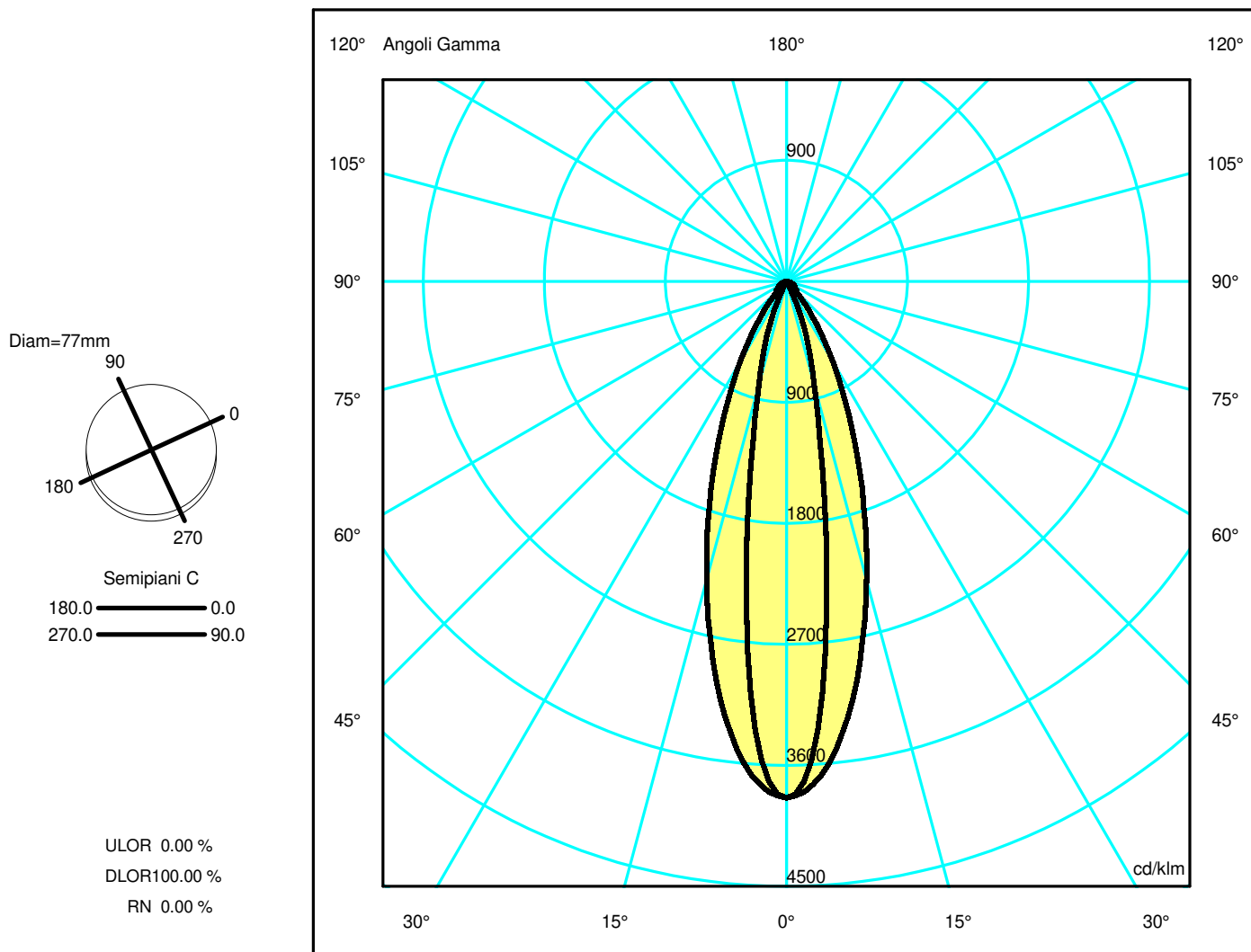
## Luminaire

Code CA31001+AP91200  
 Name GOPLE 80 S / TRK16 48V 3000K SP BCO + VECTOR 55 - LENS FOR ELLIPTICAL EMISSION

## Measurement

Code FTS2200052  
 Name GOPLE 80 S / TRK16 48V 3000K SP BCO + VECTOR 55 - LENS FOR ELLIPTICAL EMISSION

|  |                   |                         |                |                             |               |                         |                    |
|--|-------------------|-------------------------|----------------|-----------------------------|---------------|-------------------------|--------------------|
| Luminaire Flux   | 1021 lm           | Luminaire Power         | 23.0 W         | Efficacy                    | 44.397 lm/W   | Efficiency              | 100.00%            |
| Source Flux  | 1021 lm           | Maximum value           | 3842.70 cd/klm | Position                    | C=0.00 G=0.00 | CG                      | Double Symmetrical |
| Round Luminaire  |                   | Diam.                   | 77 mm          | Height                      | 150 mm        |                         |                    |
| Round Luminous Area  |                   | Diam.                   | 46 mm          | Height                      | 0 mm          |                         |                    |
| Horizontal Luminous Area   |                   | 0.001662 m <sup>2</sup> |                | Emitting area on Plane 180° |               | 0.000000 m <sup>2</sup> |                    |
| Emitting area on Plane 0°  |                   | 0.000000 m <sup>2</sup> |                | Emitting area on Plane 270° |               | 0.000000 m <sup>2</sup> |                    |
| Emitting area on Plane 90°   |                   | 0.000000 m <sup>2</sup> |                | Glare area at 76°           |               | 0.000402 m <sup>2</sup> |                    |
| Coordinate system  |                   | CG                      |                | Symmetry Type               |               | Double Symmetrical      |                    |
| Date   |                   | 01-03-2022              |                | Maximum Gamma Angle         |               | 180                     |                    |
| Measurement Distance   |                   | 0.00                    |                | Measurement Flux            |               | 1021 lm                 |                    |
| LED Flux=2435lm LED Power=22W Eff=42% EfcLed=113lm/W EfcLum=44lm/W CCT=3000K Ra=90 R9=50 SDCM=3 L70(6K)=50000h |                   |                         |                |                             |               |                         |                    |
| C.I.E.   | 95 98 100 100 100 |                         |                | D DIN 5040                  | A60           |                         |                    |
| F UTE  | 1.00 A            |                         |                | B NBN                       | BZ 1          |                         |                    |



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|                            |         |                         |                |                             |               |                         |                    |
|----------------------------|---------|-------------------------|----------------|-----------------------------|---------------|-------------------------|--------------------|
| Luminaire Flux             | 1021 lm | Luminaire Power         | 23.0 W         | Efficacy                    | 44.397 lm/W   | Efficiency              | 100.00%            |
| Source Flux                | 1021 lm | Maximum value           | 3842.70 cd/klm | Position                    | C=0.00 G=0.00 | CG                      | Double Symmetrical |
| Round Luminaire            |         | Diam.                   | 77 mm          | Height                      | 150 mm        |                         |                    |
| Round Luminous Area        |         | Diam.                   | 46 mm          | Height                      | 0 mm          |                         |                    |
| Horizontal Luminous Area   |         | 0.001662 m <sup>2</sup> |                | Emitting area on Plane 180° |               | 0.000000 m <sup>2</sup> |                    |
| Emitting area on Plane 0°  |         | 0.000000 m <sup>2</sup> |                | Emitting area on Plane 270° |               | 0.000000 m <sup>2</sup> |                    |
| Emitting area on Plane 90° |         | 0.000000 m <sup>2</sup> |                | Glare area at 76°           |               | 0.000402 m <sup>2</sup> |                    |
| Coordinate system          |         | CG                      |                | Symmetry Type               |               | Double Symmetrical      |                    |
| Date                       |         | 01-03-2022              |                | Maximum Gamma Angle         |               | 180                     |                    |
| Measurement Distance       |         | 0.00                    |                | Measurement Flux            |               | 1021 lm                 |                    |

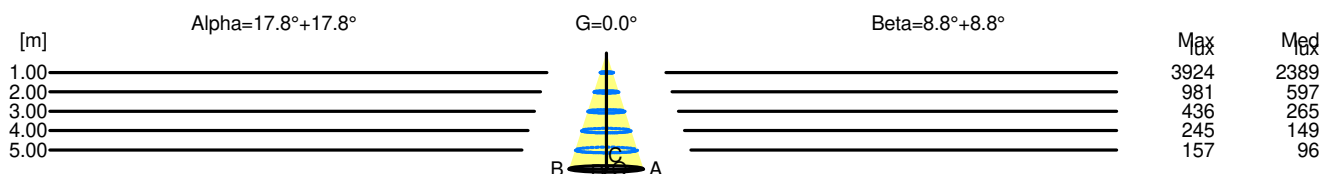
LED Flux=2435lm LED Power=22W Eff=42% EfcLed=113lm/W EfcLum=44lm/W CCT=3000K Ra=90 R9=50 SDCM=3 L70(6K)=50000h

|        |                   |            |      |
|--------|-------------------|------------|------|
| C.I.E. | 95 98 100 100 100 | D DIN 5040 | A60  |
| F UTE  | 1.00 A            | 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   | 0.32 | 0.64 | 0.96 | 1.28 | 1.61 | OC   | 0.16 | 0.31 | 0.47 | 0.62 | 0.78 |
| OB   | 0.32 | 0.64 | 0.96 | 1.28 | 1.61 | OD   | 0.16 | 0.31 | 0.47 | 0.62 | 0.78 |

|    | Luminous Intensities [ cd/klm ] |         |         |         |        |        |       |       |       |      |
|----|---------------------------------|---------|---------|---------|--------|--------|-------|-------|-------|------|
|    | 0                               | 5       | 15      | 25      | 35     | 45     | 55    | 65    | 75    | 85   |
| OA | 3923.90                         | 3676.91 | 2348.85 | 1120.61 | 398.17 | 106.80 | 63.35 | 53.62 | 30.06 | 6.56 |
| OB | 3923.90                         | 3676.91 | 2348.85 | 1120.61 | 398.17 | 106.80 | 63.35 | 53.62 | 30.06 | 6.56 |
| OC | 3923.90                         | 3132.82 | 813.62  | 129.49  | 20.47  | 9.97   | 5.21  | 2.28  | 1.87  | 0.83 |
| OD | 3923.90                         | 3132.82 | 813.62  | 129.49  | 20.47  | 9.97   | 5.21  | 2.28  | 1.87  | 0.83 |



| H[m] | D[m] | Max lux | Med lux | Alpha=17.8°+17.8° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.64 | 3924    | 2389    |                   |       |
| 2.00 | 1.28 | 981     | 597     |                   |       |
| 3.00 | 1.93 | 436     | 265     |                   |       |
| 4.00 | 2.57 | 245     | 149     |                   |       |
| 5.00 | 3.21 | 157     | 96      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=8.8°+8.8° | G=0.0 |
|------|------|---------|---------|----------------|-------|
| 1.00 | 0.31 | 3924    | 2389    |                |       |
| 2.00 | 0.62 | 981     | 597     |                |       |
| 3.00 | 0.93 | 436     | 265     |                |       |
| 4.00 | 1.24 | 245     | 149     |                |       |
| 5.00 | 1.55 | 157     | 96      |                |       |