

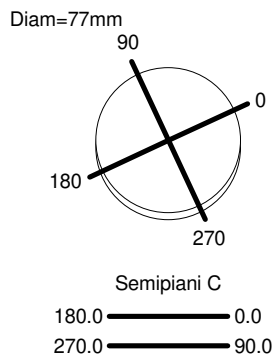
## Luminaire

Code CA11201+AP91200  
 Name GOPLE 80 SPOT TRK16 48V WF 3000K BCO + VECTOR 55 - LENS FOR ELLIPTICAL EMISSION

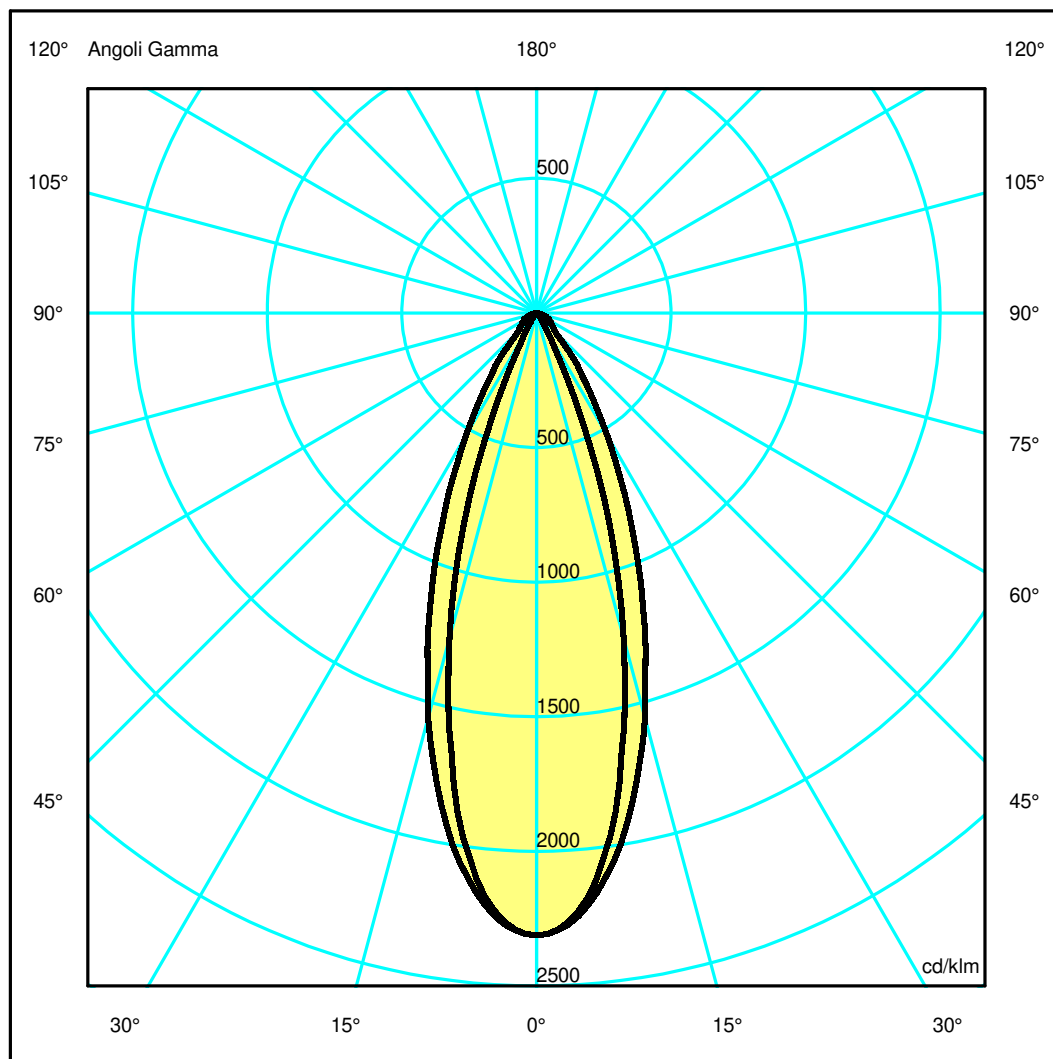
## Measurement

Code FTS2200060  
 Name GOPLE 80 SPOT TRK16 48V WF 3000K BCO + VECTOR 55 - LENS FOR ELLIPTICAL EMISSION

|  |                   |                 |                |                             |               |                    |                    |
|--|-------------------|-----------------|----------------|-----------------------------|---------------|--------------------|--------------------|
| Luminaire Flux   | 1262 lm           | Luminaire Power | 23.0 W         | Efficacy                    | 54.856 lm/W   | Efficiency         | 100.00%            |
| Source Flux  | 1262 lm           | Maximum value   | 2312.07 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 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°           |               | 0.000402 m2        |                    |
| Coordinate system  |                   | CG              |                | Symmetry Type               |               | Double Symmetrical |                    |
| Date   |                   | 01-03-2022      |                | Maximum Gamma Angle         |               | 180                |                    |
| Measurement Distance   |                   | 0.00            |                | Measurement Flux            |               | 1262 lm            |                    |
| LED Flux=2435lm LED Power=22W Eff=52% EfcLed=113lm/W EfcLum=55lm/W CCT=3000K Ra=90 R9=50 SDCM=3 L70(6K)=50000h |                   |                 |                |                             |               |                    |                    |
| C.I.E.   | 94 98 100 100 100 |                 |                | D DIN 5040                  | A60           |                    |                    |
| F UTE  | 1.00 A            |                 |                | B NBN                       | BZ 1          |                    |                    |



ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %



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|                            |         |                         |                |                             |               |                         |                    |
|----------------------------|---------|-------------------------|----------------|-----------------------------|---------------|-------------------------|--------------------|
| Luminaire Flux             | 1262 lm | Luminaire Power         | 23.0 W         | Efficacy                    | 54.856 lm/W   | Efficiency              | 100.00%            |
| Source Flux                | 1262 lm | Maximum value           | 2312.07 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            |               | 1262 lm                 |                    |

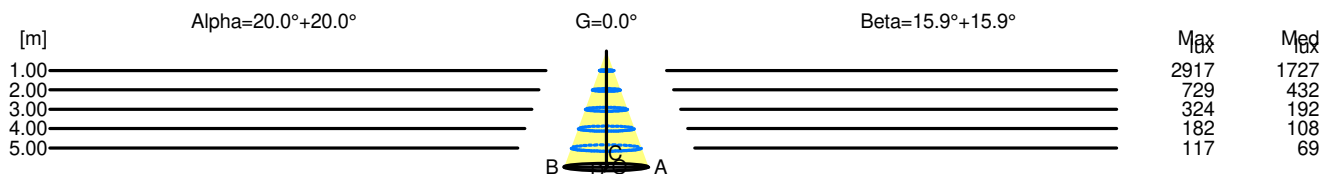
LED Flux=2435lm LED Power=22W Eff=52% EfcLed=113lm/W EfcLum=55lm/W CCT=3000K Ra=90 R9=50 SDCM=3 L70(6K)=50000h

|        |                   |            |      |
|--------|-------------------|------------|------|
| C.I.E. | 94 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   | 0.36 | 0.73 | 1.09 | 1.45 | 1.82 | OC   | 0.28 | 0.57 | 0.85 | 1.14 | 1.42 |
| OB   | 0.36 | 0.73 | 1.09 | 1.45 | 1.82 | OD   | 0.28 | 0.57 | 0.85 | 1.14 | 1.42 |

|    | Luminous Intensities [ cd/klm ] |         |         |         |        |        |       |       |       |      |
|----|---------------------------------|---------|---------|---------|--------|--------|-------|-------|-------|------|
|    | 0                               | 5       | 15      | 25      | 35     | 45     | 55    | 65    | 75    | 85   |
| OA | 2917.10                         | 2782.92 | 1962.87 | 1017.31 | 408.30 | 123.48 | 64.93 | 55.59 | 28.02 | 4.04 |
| OB | 2917.10                         | 2782.92 | 1962.87 | 1017.31 | 408.30 | 123.48 | 64.93 | 55.59 | 28.02 | 4.04 |
| OC | 2917.10                         | 2749.34 | 1575.14 | 339.67  | 42.59  | 17.95  | 10.25 | 4.46  | 1.86  | 0.77 |
| OD | 2917.10                         | 2749.34 | 1575.14 | 339.67  | 42.59  | 17.95  | 10.25 | 4.46  | 1.86  | 0.77 |



| H[m] | D[m] | Max lux | Med lux | Alpha=20.0°+20.0° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.73 | 2917    | 1727    |                   |       |
| 2.00 | 1.45 | 729     | 432     |                   |       |
| 3.00 | 2.18 | 324     | 192     |                   |       |
| 4.00 | 2.91 | 182     | 108     |                   |       |
| 5.00 | 3.63 | 117     | 69      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=15.9°+15.9° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.57 | 2917    | 1727    |                  |       |
| 2.00 | 1.14 | 729     | 432     |                  |       |
| 3.00 | 1.71 | 324     | 192     |                  |       |
| 4.00 | 2.28 | 182     | 108     |                  |       |
| 5.00 | 2.85 | 117     | 69      |                  |       |