

## PHOTOMETRIC RESULTS

|                   |                                       |                      |                 |
|-------------------|---------------------------------------|----------------------|-----------------|
| <b>Name:</b>      | ROFY 60 /T D/I D1150 GCONTROL+ 830 HO |                      |                 |
| <b>Number:</b>    | 90591L115                             | <b>Diameter:</b>     | 1348 mm         |
| <b>Report:</b>    | 27-10-2022                            | <b>Length:</b>       | 0 mm            |
| <b>Meas.-no.:</b> | 01                                    | <b>Width:</b>        | 0 mm            |
| <b>Lamp type:</b> | LED 830 - 01                          | <b>Height:</b>       | 131 mm          |
| <b>Number:</b>    | 1                                     | <b>Power:</b>        | 137,09 W        |
| <b>Lamp flux:</b> | 21980,00 lm                           | <b>Operator:</b>     | INDELAGUE GROUP |
| <b>Date:</b>      | 27/10/2022 13:40:09                   | <b>Output ratio:</b> | 68,0 %          |

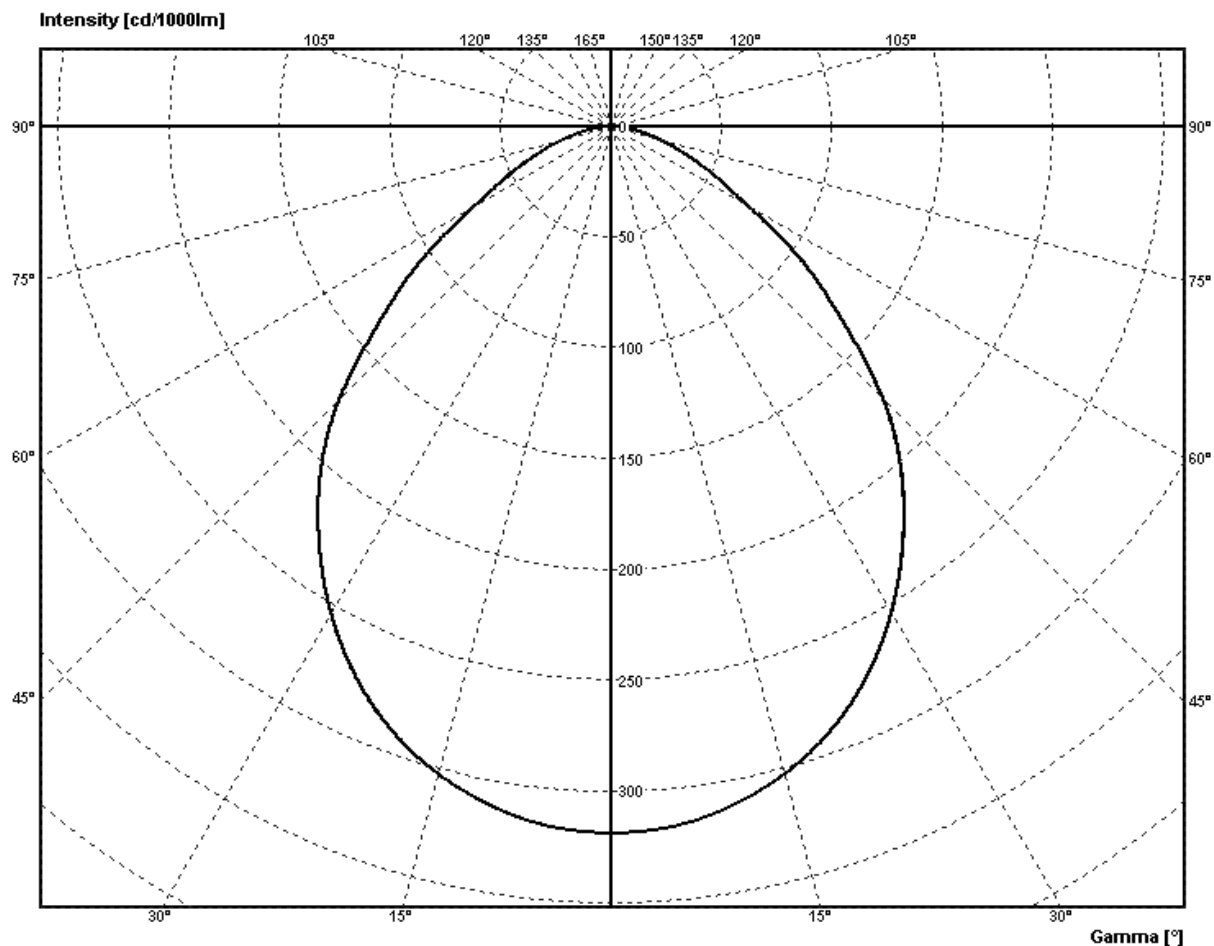
## Info

|   |                         |        |        |        |        |            |        |          |        |        |
|---|-------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| LiTG-class:   | A40                     |        |        |        |        |            |        |          |        |        |
| UTE-class:  | 0,68 D                  |        |        |        |        |            |        |          |        |        |
| IES-class:  | 59 - 88 - 97 - 100 - 68 |        |        |        |        |            |        |          |        |        |
| TM5-class:  | BZ2/2.50/BZ3            |        |        |        |        |            |        |          |        |        |
|   |                         |        |        |        |        |            |        |          |        |        |
| Divergences in the plane through maximum intensity: |                         |        |        |        |        | Horizontal |        | Vertical |        |        |
| One half peak divergence:                           |                         |        |        |        |        | 94,1°      |        | 93,9°    |        |        |
| Half peak side angle (left):                        |                         |        |        |        |        | -47,0°     |        | -46,9°   |        |        |
| Half peak side angle (right):                       |                         |        |        |        |        | 47,0°      |        | 47,0°    |        |        |
| One tenth peak divergence:                          |                         |        |        |        |        | 143,3°     |        | 143,5°   |        |        |
| Tenth peak side angle (left):                       |                         |        |        |        |        | -71,7°     |        | -71,7°   |        |        |
| Tenth peak side angle (right):                      |                         |        |        |        |        | 71,6°      |        | 71,9°    |        |        |
|   |                         |        |        |        |        |            |        |          |        |        |
| C-planes:   | 0,0°                    | 15,0°  | 30,0°  | 45,0°  | 60,0°  | 75,0°      | 90,0°  | 105,0°   | 120,0° | 135,0° |
|   | 150,0°                  | 165,0° | 180,0° | 195,0° | 210,0° | 225,0°     | 240,0° | 255,0°   | 270,0° | 285,0° |
|   | 300,0°                  | 315,0° | 330,0° | 345,0° |        |            |        |          |        |        |
|   |                         |        |        |        |        |            |        |          |        |        |
| Gamma:  | 0,0°                    | 5,0°   | 10,0°  | 15,0°  | 20,0°  | 25,0°      | 30,0°  | 35,0°    | 40,0°  | 45,0°  |
|   | 50,0°                   | 55,0°  | 60,0°  | 65,0°  | 70,0°  | 75,0°      | 80,0°  | 85,0°    | 90,0°  |        |

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| <b>Meas.-no.:</b> | 01                                    | <b>Width:</b>        | 0 mm            |
| <b>Lamp type:</b> | LED 830 - 01                          | <b>Height:</b>       | 131 mm          |
| <b>Number:</b>    | 1                                     | <b>Power:</b>        | 137,09 W        |
| <b>Lamp flux:</b> | 21980,00 lm                           | <b>Operator:</b>     | INDELAGUE GROUP |
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Polar diagram ROFY 60 /T D/I D1150 GCONTROL+ 830 HO / Direct in 15° C / 5° G



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| <b>Number:</b>    | 90591L115                             | <b>Diameter:</b>     | 1348 mm         |  |
| <b>Report:</b>    | 27-10-2022                            | <b>Length:</b>       | 0 mm            |  |
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| <b>Lamp type:</b> | LED 830 - 01                          | <b>Height:</b>       | 131 mm          |  |
| <b>Number:</b>    | 1                                     | <b>Power:</b>        | 137,09 W        |  |
| <b>Lamp flux:</b> | 21980,00 lm                           | <b>Operator:</b>     | INDELAGUE GROUP |  |
| <b>Date:</b>      | 27/10/2022 13:40:09                   | <b>Output ratio:</b> | 68,0 %          |  |

## UGR Unified Glare Ratios

|                          |     |                  |      |      |      |      |                |      |      |      |      |
|--------------------------|-----|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling reflectance      |     | 0,7              | 0,7  | 0,5  | 0,5  | 0,3  | 0,7            | 0,7  | 0,5  | 0,5  | 0,3  |
| Wall reflectance         |     | 0,5              | 0,3  | 0,5  | 0,3  | 0,3  | 0,5            | 0,3  | 0,5  | 0,3  | 0,3  |
| Floor cavity reflectance |     | 0,2              | 0,2  | 0,2  | 0,2  | 0,2  | 0,2            | 0,2  | 0,2  | 0,2  | 0,2  |
| Room dimension           |     | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| 2H                       | 2H  | 15,8             | 17,3 | 16,2 | 17,6 | 18,0 | 15,9           | 17,4 | 16,2 | 17,7 | 18,0 |
| 2H                       | 3H  | 16,5             | 17,9 | 16,9 | 18,2 | 18,6 | 16,6           | 17,9 | 16,9 | 18,2 | 18,6 |
| 2H                       | 4H  | 16,8             | 18,1 | 17,2 | 18,4 | 18,8 | 16,9           | 18,1 | 17,3 | 18,5 | 18,8 |
| 2H                       | 6H  | 17,1             | 18,3 | 17,5 | 18,6 | 19,0 | 17,2           | 18,3 | 17,6 | 18,7 | 19,1 |
| 2H                       | 8H  | 17,2             | 18,3 | 17,6 | 18,7 | 19,1 | 17,2           | 18,3 | 17,6 | 18,7 | 19,1 |
| 2H                       | 12H | 17,3             | 18,3 | 17,7 | 18,7 | 19,1 | 17,3           | 18,4 | 17,7 | 18,7 | 19,2 |
| 4H                       | 2H  | 16,1             | 17,4 | 16,5 | 17,7 | 18,1 | 16,1           | 17,4 | 16,5 | 17,7 | 18,1 |
| 4H                       | 3H  | 16,9             | 18,0 | 17,4 | 18,4 | 18,8 | 17,0           | 18,0 | 17,4 | 18,4 | 18,8 |
| 4H                       | 4H  | 17,4             | 18,3 | 17,8 | 18,8 | 19,2 | 17,4           | 18,4 | 17,9 | 18,8 | 19,2 |
| 4H                       | 6H  | 17,8             | 18,6 | 18,2 | 19,0 | 19,5 | 17,8           | 18,6 | 18,3 | 19,1 | 19,5 |
| 4H                       | 8H  | 17,9             | 18,7 | 18,4 | 19,1 | 19,6 | 17,9           | 18,7 | 18,4 | 19,2 | 19,6 |
| 4H                       | 12H | 18,1             | 18,8 | 18,5 | 19,2 | 19,7 | 18,1           | 18,8 | 18,6 | 19,2 | 19,7 |
| 8H                       | 4H  | 17,5             | 18,3 | 18,0 | 18,7 | 19,2 | 17,5           | 18,3 | 18,0 | 18,8 | 19,2 |
| 8H                       | 6H  | 18,0             | 18,6 | 18,5 | 19,1 | 19,6 | 18,0           | 18,7 | 18,5 | 19,1 | 19,6 |
| 8H                       | 8H  | 18,3             | 18,8 | 18,8 | 19,3 | 19,8 | 18,3           | 18,9 | 18,8 | 19,4 | 19,9 |
| 8H                       | 12H | 18,5             | 18,9 | 19,0 | 19,4 | 19,9 | 18,5           | 19,0 | 19,0 | 19,5 | 20,0 |
| 12H                      | 4H  | 17,5             | 18,3 | 18,0 | 18,7 | 19,2 | 17,6           | 18,3 | 18,0 | 18,7 | 19,2 |
| 12H                      | 6H  | 18,1             | 18,6 | 18,6 | 19,2 | 19,6 | 18,1           | 18,7 | 18,6 | 19,2 | 19,7 |
| 12H                      | 8H  | 18,4             | 18,8 | 18,9 | 19,3 | 19,8 | 18,4           | 18,9 | 18,9 | 19,4 | 19,9 |

UGR values are corrected for lamp flux of 21980 lm by 10,7

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| <b>Lamp flux:</b> | 21980,00 lm                           | <b>Operator:</b>     | INDEL AGUE GROUP |
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Luminance [cd/m<sup>2</sup>] ROFY 60 /T D/I D1150 GCONTROL+ 830 HO / Direct in 15° C / 5° G

| G/C [cd] | 0,00    | 15,00   | 30,00   | 45,00   | 60,00   | 75,00   | 90,00   | 105,00  | 120,00  |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00    | 4398,74 | 4409,88 | 4395,51 | 4418,47 | 4408,00 | 4422,02 | 4419,12 | 4422,02 | 4408,00 |
| 50,00    | 3812,13 | 3715,87 | 3600,41 | 3672,31 | 3607,44 | 3730,32 | 3815,14 | 3730,32 | 3607,44 |
| 55,00    | 3281,82 | 2892,97 | 2816,82 | 2679,38 | 2823,21 | 2907,45 | 3316,92 | 2907,45 | 2823,21 |
| 60,00    | 2575,37 | 2245,49 | 2302,92 | 2032,11 | 2313,05 | 2297,92 | 2630,66 | 2297,92 | 2313,05 |
| 65,00    | 2181,35 | 1880,60 | 1978,23 | 1712,28 | 1962,34 | 1858,32 | 2126,60 | 1858,32 | 1962,34 |
| 70,00    | 1890,68 | 1629,94 | 1611,12 | 1676,00 | 1583,17 | 1661,77 | 1865,18 | 1661,77 | 1583,17 |
| 75,00    | 1665,64 | 1490,14 | 1546,25 | 1455,19 | 1519,12 | 1535,64 | 1672,23 | 1535,64 | 1519,12 |
| 80,00    | 1516,25 | 1455,92 | 1521,37 | 1614,99 | 1566,38 | 1493,54 | 1550,66 | 1493,54 | 1566,38 |
| 85,00    | 1546,73 | 1425,97 | 1515,76 | 1649,26 | 1540,11 | 1455,58 | 1585,20 | 1455,58 | 1540,11 |

| G/C [cd] | 135,00  | 150,00  | 165,00  | 180,00  | 195,00  | 210,00  | 225,00  | 240,00  | 255,00  |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00    | 4418,47 | 4395,51 | 4409,88 | 4398,74 | 4409,88 | 4395,51 | 4418,47 | 4408,00 | 4422,02 |
| 50,00    | 3672,31 | 3600,41 | 3715,87 | 3812,13 | 3715,87 | 3600,41 | 3672,31 | 3607,44 | 3730,32 |
| 55,00    | 2679,38 | 2816,82 | 2892,97 | 3281,82 | 2892,97 | 2816,82 | 2679,38 | 2823,21 | 2907,45 |
| 60,00    | 2032,11 | 2302,92 | 2245,49 | 2575,37 | 2245,49 | 2302,92 | 2032,11 | 2313,05 | 2297,92 |
| 65,00    | 1712,28 | 1978,23 | 1880,60 | 2181,35 | 1880,60 | 1978,23 | 1712,28 | 1962,34 | 1858,32 |
| 70,00    | 1676,00 | 1611,12 | 1629,94 | 1890,68 | 1629,94 | 1611,12 | 1676,00 | 1583,17 | 1661,77 |
| 75,00    | 1455,19 | 1546,25 | 1490,14 | 1665,64 | 1490,14 | 1546,25 | 1455,19 | 1519,12 | 1535,64 |
| 80,00    | 1614,99 | 1521,37 | 1455,92 | 1516,25 | 1455,92 | 1521,37 | 1614,99 | 1566,38 | 1493,54 |
| 85,00    | 1649,26 | 1515,76 | 1425,97 | 1546,73 | 1425,97 | 1515,76 | 1649,26 | 1540,11 | 1455,58 |

| G/C [cd] | 270,00  | 285,00  | 300,00  | 315,00  | 330,00  | 345,00  |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00    | 4419,12 | 4422,02 | 4408,00 | 4418,47 | 4395,51 | 4409,88 |
| 50,00    | 3815,14 | 3730,32 | 3607,44 | 3672,31 | 3600,41 | 3715,87 |
| 55,00    | 3316,92 | 2907,45 | 2823,21 | 2679,38 | 2816,82 | 2892,97 |
| 60,00    | 2630,66 | 2297,92 | 2313,05 | 2032,11 | 2302,92 | 2245,49 |
| 65,00    | 2126,60 | 1858,32 | 1962,34 | 1712,28 | 1978,23 | 1880,60 |
| 70,00    | 1865,18 | 1661,77 | 1583,17 | 1676,00 | 1611,12 | 1629,94 |
| 75,00    | 1672,23 | 1535,64 | 1519,12 | 1455,19 | 1546,25 | 1490,14 |
| 80,00    | 1550,66 | 1493,54 | 1566,38 | 1614,99 | 1521,37 | 1455,92 |
| 85,00    | 1585,20 | 1455,58 | 1540,11 | 1649,26 | 1515,76 | 1425,97 |