

## PHOTOMETRIC RESULTS

|                   |                                       |                      |                 |
|-------------------|---------------------------------------|----------------------|-----------------|
| <b>Name:</b>      | ROFY 60 /T D/I D0900 LIGHT+ K3 840 HO |                      |                 |
| <b>Number:</b>    | 90593L900                             | <b>Diameter:</b>     | 1098 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 840 - 01                          | <b>Height:</b>       | 131 mm          |
| <b>Number:</b>    | 1                                     | <b>Power:</b>        | 83,9 W          |
| <b>Lamp flux:</b> | 14670,00 lm                           | <b>Operator:</b>     | INDELAGUE GROUP |
| <b>Date:</b>      | 27/10/2022 11:27:33                   | <b>Output ratio:</b> | 72,4 %          |

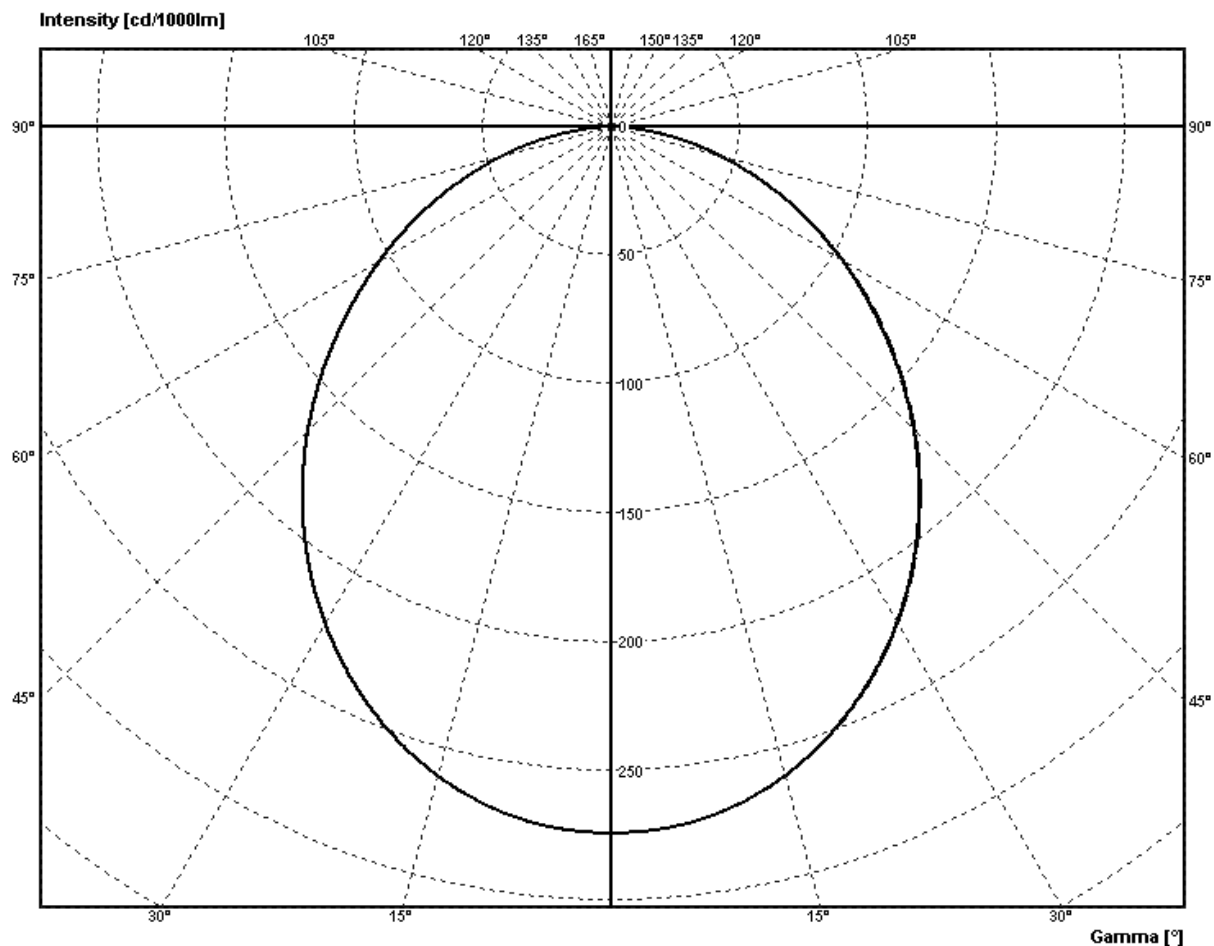
## Info

|   |                         |        |        |        |        |            |        |          |        |        |
|---|-------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| LiTG-class:   | A40                     |        |        |        |        |            |        |          |        |        |
| UTE-class:  | 0,72 E                  |        |        |        |        |            |        |          |        |        |
| IES-class:  | 49 - 80 - 96 - 100 - 72 |        |        |        |        |            |        |          |        |        |
| TM5-class:  | BZ4                     |        |        |        |        |            |        |          |        |        |
|   |                         |        |        |        |        |            |        |          |        |        |
| Divergences in the plane through maximum intensity: |                         |        |        |        |        | Horizontal |        | Vertical |        |        |
| One half peak divergence:                           |                         |        |        |        |        | 104,5°     |        | 104,1°   |        |        |
| Half peak side angle (left):                        |                         |        |        |        |        | -52,3°     |        | -52,0°   |        |        |
| Half peak side angle (right):                       |                         |        |        |        |        | 52,2°      |        | 52,2°    |        |        |
| One tenth peak divergence:                          |                         |        |        |        |        | 160,5°     |        | 160,0°   |        |        |
| Tenth peak side angle (left):                       |                         |        |        |        |        | -80,3°     |        | -79,9°   |        |        |
| Tenth peak side angle (right):                      |                         |        |        |        |        | 80,2°      |        | 80,1°    |        |        |
|   |                         |        |        |        |        |            |        |          |        |        |
| 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 840 - 01                          | <b>Height:</b>       | 131 mm          |
| <b>Number:</b>    | 1                                     | <b>Power:</b>        | 83,9 W          |
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Polar diagram ROFY 60 /T D/I D0900 LIGHT+ K3 840 HO / Direct in 15° C / 5° G



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## UGR Unified Glare Ratios

|                                 |                  |            |            |            |            |                |            |            |            |            |
|---------------------------------|------------------|------------|------------|------------|------------|----------------|------------|------------|------------|------------|
| <b>Ceiling reflectance</b>      | <b>0,7</b>       | <b>0,7</b> | <b>0,5</b> | <b>0,5</b> | <b>0,3</b> | <b>0,7</b>     | <b>0,7</b> | <b>0,5</b> | <b>0,5</b> | <b>0,3</b> |
| <b>Wall reflectance</b>         | <b>0,5</b>       | <b>0,3</b> | <b>0,5</b> | <b>0,3</b> | <b>0,3</b> | <b>0,5</b>     | <b>0,3</b> | <b>0,5</b> | <b>0,3</b> | <b>0,3</b> |
| <b>Floor cavity reflectance</b> | <b>0,2</b>       | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> | <b>0,2</b>     | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> |
| <b>Room dimension</b>           | Viewed crosswise |            |            |            |            | Viewed endwise |            |            |            |            |
| <b>2H</b>                       | <b>2H</b>        | 17,2       | 18,8       | 17,5       | 19,1       | 19,4           | 17,2       | 18,8       | 17,6       | 19,2       |
| <b>2H</b>                       | <b>3H</b>        | 18,7       | 20,2       | 19,1       | 20,5       | 20,9           | 18,8       | 20,2       | 19,1       | 20,6       |
| <b>2H</b>                       | <b>4H</b>        | 19,3       | 20,7       | 19,7       | 21,1       | 21,4           | 19,4       | 20,8       | 19,8       | 21,1       |
| <b>2H</b>                       | <b>6H</b>        | 19,8       | 21,1       | 20,2       | 21,5       | 21,9           | 19,9       | 21,2       | 20,3       | 21,6       |
| <b>2H</b>                       | <b>8H</b>        | 20,0       | 21,2       | 20,4       | 21,6       | 22,0           | 20,0       | 21,3       | 20,4       | 21,7       |
| <b>2H</b>                       | <b>12H</b>       | 20,0       | 21,2       | 20,4       | 21,6       | 22,0           | 20,1       | 21,3       | 20,5       | 21,7       |
| <b>4H</b>                       | <b>2H</b>        | 17,9       | 19,3       | 18,3       | 19,6       | 20,0           | 17,9       | 19,3       | 18,3       | 19,7       |
| <b>4H</b>                       | <b>3H</b>        | 19,6       | 20,8       | 20,0       | 21,2       | 21,6           | 19,6       | 20,8       | 20,0       | 21,2       |
| <b>4H</b>                       | <b>4H</b>        | 20,4       | 21,4       | 20,8       | 21,8       | 22,3           | 20,4       | 21,5       | 20,9       | 21,9       |
| <b>4H</b>                       | <b>6H</b>        | 20,9       | 21,9       | 21,4       | 22,3       | 22,8           | 21,0       | 22,0       | 21,5       | 22,4       |
| <b>4H</b>                       | <b>8H</b>        | 21,1       | 22,0       | 21,6       | 22,5       | 22,9           | 21,2       | 22,1       | 21,7       | 22,5       |
| <b>4H</b>                       | <b>12H</b>       | 21,3       | 22,1       | 21,8       | 22,5       | 23,0           | 21,4       | 22,2       | 21,9       | 22,6       |
| <b>8H</b>                       | <b>4H</b>        | 20,7       | 21,5       | 21,1       | 22,0       | 22,4           | 20,7       | 21,6       | 21,2       | 22,0       |
| <b>8H</b>                       | <b>6H</b>        | 21,4       | 22,1       | 21,8       | 22,6       | 23,1           | 21,4       | 22,2       | 21,9       | 22,6       |
| <b>8H</b>                       | <b>8H</b>        | 21,7       | 22,3       | 22,2       | 22,8       | 23,3           | 21,8       | 22,4       | 22,3       | 22,9       |
| <b>8H</b>                       | <b>12H</b>       | 21,9       | 22,4       | 22,4       | 23,0       | 23,5           | 22,0       | 22,5       | 22,5       | 23,0       |
| <b>12H</b>                      | <b>4H</b>        | 20,7       | 21,5       | 21,2       | 22,0       | 22,5           | 20,8       | 21,6       | 21,2       | 22,0       |
| <b>12H</b>                      | <b>6H</b>        | 21,5       | 22,1       | 22,0       | 22,6       | 23,1           | 21,6       | 22,2       | 22,1       | 22,7       |
| <b>12H</b>                      | <b>8H</b>        | 21,8       | 22,4       | 22,3       | 22,9       | 23,4           | 21,9       | 22,4       | 22,4       | 22,9       |

UGR values are corrected for lamp flux of 14670 lm by 9,3

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Luminance [cd/m<sup>2</sup>] ROFY 60 /T D/I D0900 LIGHT+ K3 840 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    | 4395,91 | 4401,39 | 4404,16 | 4408,95 | 4409,07 | 4417,16 | 4416,75 | 4417,16 | 4409,07 |
| 50,00    | 4233,64 | 4234,97 | 4243,20 | 4247,88 | 4250,85 | 4253,81 | 4257,95 | 4253,81 | 4250,85 |
| 55,00    | 4060,55 | 4067,90 | 4070,46 | 4075,06 | 4082,87 | 4088,06 | 4088,00 | 4088,06 | 4082,87 |
| 60,00    | 3885,47 | 3889,38 | 3896,73 | 3905,75 | 3911,59 | 3915,93 | 3918,76 | 3915,93 | 3911,59 |
| 65,00    | 3702,37 | 3699,02 | 3707,58 | 3720,94 | 3725,93 | 3735,37 | 3736,81 | 3735,37 | 3725,93 |
| 70,00    | 3491,45 | 3498,42 | 3506,63 | 3517,64 | 3532,45 | 3543,97 | 3547,79 | 3543,97 | 3532,45 |
| 75,00    | 3251,70 | 3267,09 | 3273,38 | 3298,08 | 3314,56 | 3316,50 | 3324,25 | 3316,50 | 3314,56 |
| 80,00    | 2945,97 | 2958,98 | 2976,75 | 2991,91 | 3014,01 | 3027,45 | 3034,39 | 3027,45 | 3014,01 |
| 85,00    | 2401,17 | 2408,24 | 2421,57 | 2456,08 | 2469,38 | 2474,06 | 2478,74 | 2474,06 | 2469,38 |

| G/C [cd] | 135,00  | 150,00  | 165,00  | 180,00  | 195,00  | 210,00  | 225,00  | 240,00  | 255,00  |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00    | 4408,95 | 4404,16 | 4401,39 | 4395,91 | 4401,39 | 4404,16 | 4408,95 | 4409,07 | 4417,16 |
| 50,00    | 4247,88 | 4243,20 | 4234,97 | 4233,64 | 4234,97 | 4243,20 | 4247,88 | 4250,85 | 4253,81 |
| 55,00    | 4075,06 | 4070,46 | 4067,90 | 4060,55 | 4067,90 | 4070,46 | 4075,06 | 4082,87 | 4088,06 |
| 60,00    | 3905,75 | 3896,73 | 3889,38 | 3885,47 | 3889,38 | 3896,73 | 3905,75 | 3911,59 | 3915,93 |
| 65,00    | 3720,94 | 3707,58 | 3699,02 | 3702,37 | 3699,02 | 3707,58 | 3720,94 | 3725,93 | 3735,37 |
| 70,00    | 3517,64 | 3506,63 | 3498,42 | 3491,45 | 3498,42 | 3506,63 | 3517,64 | 3532,45 | 3543,97 |
| 75,00    | 3298,08 | 3273,38 | 3267,09 | 3251,70 | 3267,09 | 3273,38 | 3298,08 | 3314,56 | 3316,50 |
| 80,00    | 2991,91 | 2976,75 | 2958,98 | 2945,97 | 2958,98 | 2976,75 | 2991,91 | 3014,01 | 3027,45 |
| 85,00    | 2456,08 | 2421,57 | 2408,24 | 2401,17 | 2408,24 | 2421,57 | 2456,08 | 2469,38 | 2474,06 |

| G/C [cd] | 270,00  | 285,00  | 300,00  | 315,00  | 330,00  | 345,00  |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00    | 4416,75 | 4417,16 | 4409,07 | 4408,95 | 4404,16 | 4401,39 |
| 50,00    | 4257,95 | 4253,81 | 4250,85 | 4247,88 | 4243,20 | 4234,97 |
| 55,00    | 4088,00 | 4088,06 | 4082,87 | 4075,06 | 4070,46 | 4067,90 |
| 60,00    | 3918,76 | 3915,93 | 3911,59 | 3905,75 | 3896,73 | 3889,38 |
| 65,00    | 3736,81 | 3735,37 | 3725,93 | 3720,94 | 3707,58 | 3699,02 |
| 70,00    | 3547,79 | 3543,97 | 3532,45 | 3517,64 | 3506,63 | 3498,42 |
| 75,00    | 3324,25 | 3316,50 | 3314,56 | 3298,08 | 3273,38 | 3267,09 |
| 80,00    | 3034,39 | 3027,45 | 3014,01 | 2991,91 | 2976,75 | 2958,98 |
| 85,00    | 2478,74 | 2474,06 | 2469,38 | 2456,08 | 2421,57 | 2408,24 |