

PHOTOMETRIC RESULTS

| | | | |
|-------------------|---|----------------------|-----------------|
| Name: | ROFY /E LED 47W gCONTROL+ [Ø600mm] | | |
| Number: | 01 | Diameter: | 600 mm |
| Report: | 15-02-2017 | Length: | 0 mm |
| Meas.-no.: | 01 | Width: | 0 mm |
| Lamp type: | LED 840 - 01 | Height: | 92 mm |
| Number: | 1 | Power: | 47,23 W |
| Lamp flux: | 7668,00 lm | Operator: | INDELAGUE GROUP |
| Date: | 15-02-2017 9:14:34 | Output ratio: | 63,7 % |

Protocol

LiTG-class: A40
UTE-class: 0,64 D
IES-class: 58 - 88 - 98 - 100 - 64
TM5-class: BZ2/2.50/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|--------------------------------------|------------|----------|
| One half peak divergence | 94,0° | 94,0° |
| Half peak side angle (left) | -47,0° | -47,0° |
| Half peak side angle (right) | 47,0° | 47,0° |
| One tenth peak divergence | 141,9° | 143,0° |
| Tenth peak side angle (left) | -70,9° | -71,5° |
| Tenth peak side angle (right) | 70,9° | 71,5° |

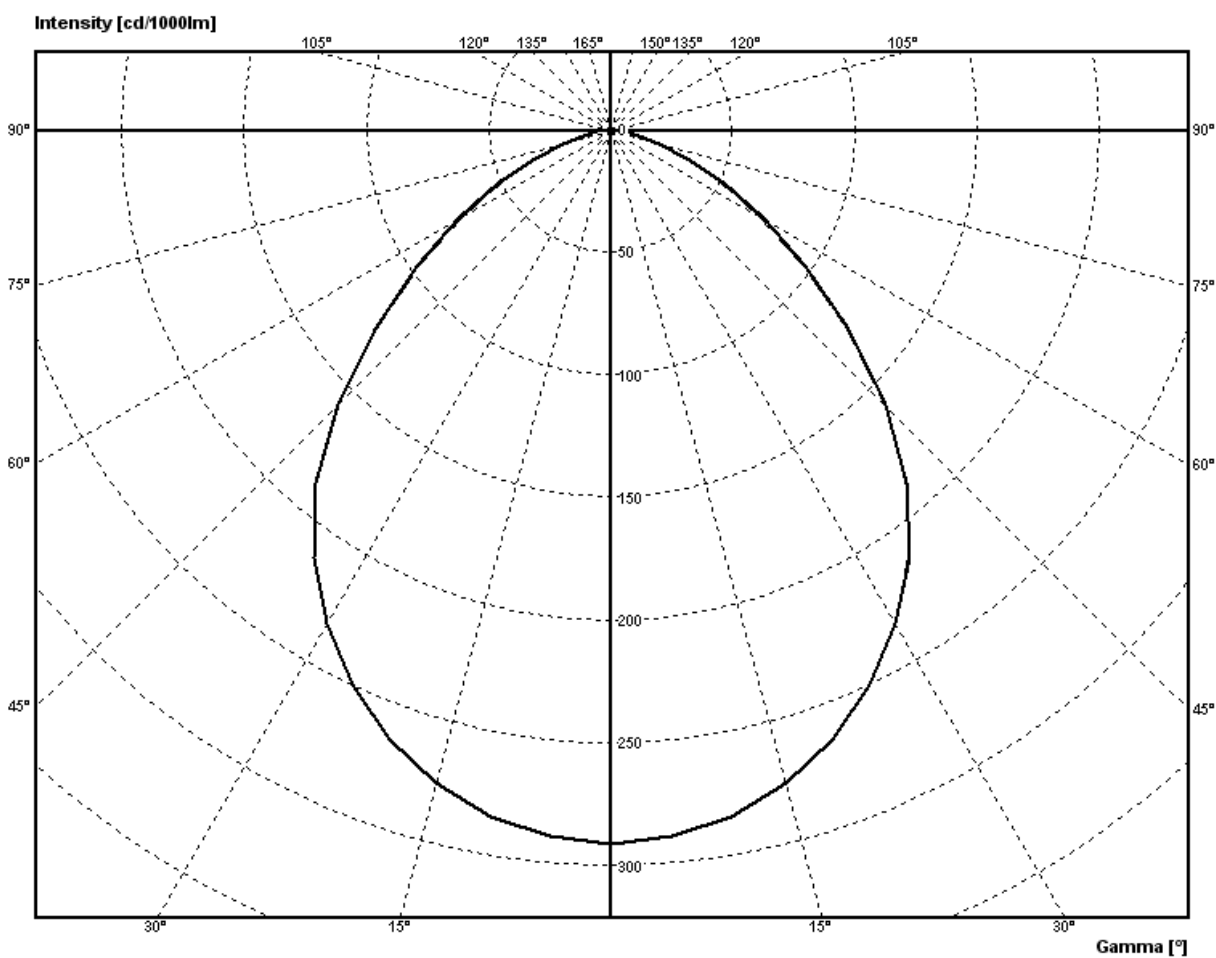
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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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Polar diagram ROFY /E LED 47W gCONTROL+ [Ø600mm] / Direct in 15° C / 5° G



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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 | 16,9 | 18,4 | 17,2 | 18,7 | 19,0 | 16,8 | 18,3 | 17,2 | 18,6 | 18,9 |
| 2H | 3H | 17,5 | 18,8 | 17,9 | 19,2 | 19,5 | 17,4 | 18,8 | 17,8 | 19,1 | 19,4 |
| 2H | 4H | 17,6 | 18,9 | 18,0 | 19,3 | 19,6 | 17,6 | 18,8 | 18,0 | 19,2 | 19,6 |
| 2H | 6H | 17,8 | 18,9 | 18,2 | 19,3 | 19,7 | 17,7 | 18,8 | 18,1 | 19,2 | 19,6 |
| 2H | 8H | 17,7 | 18,9 | 18,1 | 19,2 | 19,6 | 17,7 | 18,8 | 18,1 | 19,2 | 19,6 |
| 2H | 12H | 17,7 | 18,8 | 18,1 | 19,2 | 19,6 | 17,6 | 18,7 | 18,1 | 19,1 | 19,5 |
| 4H | 2H | 17,2 | 18,4 | 17,6 | 18,8 | 19,1 | 17,1 | 18,4 | 17,5 | 18,7 | 19,1 |
| 4H | 3H | 17,9 | 18,9 | 18,3 | 19,3 | 19,7 | 17,8 | 18,9 | 18,2 | 19,3 | 19,7 |
| 4H | 4H | 18,2 | 19,1 | 18,6 | 19,5 | 19,9 | 18,1 | 19,0 | 18,5 | 19,4 | 19,9 |
| 4H | 6H | 18,3 | 19,1 | 18,7 | 19,5 | 20,0 | 18,2 | 19,0 | 18,6 | 19,5 | 19,9 |
| 4H | 8H | 18,3 | 19,1 | 18,8 | 19,5 | 20,0 | 18,2 | 19,0 | 18,7 | 19,4 | 19,9 |
| 4H | 12H | 18,3 | 19,0 | 18,8 | 19,5 | 20,0 | 18,2 | 19,0 | 18,7 | 19,4 | 19,9 |
| 8H | 4H | 18,2 | 18,9 | 18,6 | 19,4 | 19,8 | 18,1 | 18,9 | 18,6 | 19,3 | 19,8 |
| 8H | 6H | 18,3 | 18,9 | 18,8 | 19,4 | 19,9 | 18,2 | 18,9 | 18,7 | 19,3 | 19,8 |
| 8H | 8H | 18,4 | 19,0 | 18,9 | 19,5 | 20,0 | 18,3 | 18,9 | 18,9 | 19,4 | 19,9 |
| 8H | 12H | 18,4 | 18,9 | 19,0 | 19,4 | 19,9 | 18,4 | 18,8 | 18,9 | 19,4 | 19,9 |
| 12H | 4H | 18,2 | 18,9 | 18,6 | 19,3 | 19,8 | 18,1 | 18,8 | 18,6 | 19,2 | 19,7 |
| 12H | 6H | 18,3 | 18,9 | 18,9 | 19,4 | 19,9 | 18,3 | 18,8 | 18,8 | 19,3 | 19,8 |
| 12H | 8H | 18,4 | 18,9 | 18,9 | 19,4 | 19,9 | 18,3 | 18,8 | 18,9 | 19,3 | 19,8 |

UGR values are corrected for lamp flux of 7668 lm by 7,1

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| Lamp flux: | 7668,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 15-02-2017 9:14:34 | Output ratio: | 63,7 % |

Luminance [cd/m²] ROFY /E LED 47W gCONTROL+ [Ø600mm] / Direct in 15° C / 5° 

| G/C [cd/ | 0,00 | 15,00 | 30,00 | 45,00 | 60,00 | 75,00 | 90,00 | 105,00 | 120,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6962,04 | 6952,93 | 6939,40 | 6924,46 | 6950,47 | 6962,10 | 6978,58 | 6962,10 | 6950,47 |
| 50,00 | 6116,51 | 6070,57 | 6046,00 | 6010,19 | 6055,50 | 6064,67 | 6073,98 | 6064,67 | 6055,50 |
| 55,00 | 5238,43 | 5183,48 | 5179,36 | 5113,84 | 5176,08 | 5159,02 | 5159,49 | 5159,02 | 5176,08 |
| 60,00 | 4471,30 | 4400,53 | 4406,05 | 4311,52 | 4373,78 | 4343,74 | 4359,25 | 4343,74 | 4373,78 |
| 65,00 | 3721,86 | 3649,19 | 3638,19 | 3584,59 | 3619,42 | 3602,82 | 3584,03 | 3602,82 | 3619,42 |
| 70,00 | 2992,37 | 2926,94 | 2930,81 | 2858,68 | 2896,89 | 2862,78 | 2848,72 | 2862,78 | 2896,89 |
| 75,00 | 2414,72 | 2318,01 | 2314,03 | 2270,37 | 2293,09 | 2289,32 | 2336,58 | 2289,32 | 2293,09 |
| 80,00 | 2029,02 | 1927,03 | 1948,39 | 1911,79 | 1957,06 | 1911,79 | 1942,85 | 1911,79 | 1957,06 |
| 85,00 | 2053,38 | 1919,69 | 1985,18 | 2000,94 | 1985,80 | 1880,41 | 1975,61 | 1880,41 | 1985,80 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6924,46 | 6939,40 | 6952,93 | 6962,04 | 6952,93 | 6939,40 | 6924,46 | 6950,47 | 6962,10 |
| 50,00 | 6010,19 | 6046,00 | 6070,57 | 6116,51 | 6070,57 | 6046,00 | 6010,19 | 6055,50 | 6064,67 |
| 55,00 | 5113,84 | 5179,36 | 5183,48 | 5238,43 | 5183,48 | 5179,36 | 5113,84 | 5176,08 | 5159,02 |
| 60,00 | 4311,52 | 4406,05 | 4400,53 | 4471,30 | 4400,53 | 4406,05 | 4311,52 | 4373,78 | 4343,74 |
| 65,00 | 3584,59 | 3638,19 | 3649,19 | 3721,86 | 3649,19 | 3638,19 | 3584,59 | 3619,42 | 3602,82 |
| 70,00 | 2858,68 | 2930,81 | 2926,94 | 2992,37 | 2926,94 | 2930,81 | 2858,68 | 2896,89 | 2862,78 |
| 75,00 | 2270,37 | 2314,03 | 2318,01 | 2414,72 | 2318,01 | 2314,03 | 2270,37 | 2293,09 | 2289,32 |
| 80,00 | 1911,79 | 1948,39 | 1927,03 | 2029,02 | 1927,03 | 1948,39 | 1911,79 | 1957,06 | 1911,79 |
| 85,00 | 2000,94 | 1985,18 | 1919,69 | 2053,38 | 1919,69 | 1985,18 | 2000,94 | 1985,80 | 1880,41 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6978,58 | 6962,10 | 6950,47 | 6924,46 | 6939,40 | 6952,93 |
| 50,00 | 6073,98 | 6064,67 | 6055,50 | 6010,19 | 6046,00 | 6070,57 |
| 55,00 | 5159,49 | 5159,02 | 5176,08 | 5113,84 | 5179,36 | 5183,48 |
| 60,00 | 4359,25 | 4343,74 | 4373,78 | 4311,52 | 4406,05 | 4400,53 |
| 65,00 | 3584,03 | 3602,82 | 3619,42 | 3584,59 | 3638,19 | 3649,19 |
| 70,00 | 2848,72 | 2862,78 | 2896,89 | 2858,68 | 2930,81 | 2926,94 |
| 75,00 | 2336,58 | 2289,32 | 2293,09 | 2270,37 | 2314,03 | 2318,01 |
| 80,00 | 1942,85 | 1911,79 | 1957,06 | 1911,79 | 1948,39 | 1927,03 |
| 85,00 | 1975,61 | 1880,41 | 1985,80 | 2000,94 | 1985,18 | 1919,69 |

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