

PHOTOMETRIC RESULTS

| | | | |
|-------------------|---|----------------------|------------------|
| Name: | REBA 50 /T EXT L0598+INT SYM BGLARE 840 HO | | |
| Number: | 90519+90498L002 | Diameter: | 0 mm |
| Report: | 23-01-2020 | Length: | 598 mm |
| Meas.-no.: | 01 | Width: | 70 mm |
| Lamp type: | LED 840 - 01 | Height: | 114 mm |
| Number: | 01 | Power: | 14,71 W |
| Lamp flux: | 2360,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 23-01-2020 18:11:29 | Output ratio: | 65,0 % |

Protocol

LiTG-class: A50
UTE-class: 0,65 C
IES-class: 62 - 88 - 97 - 100 - 65
TM5-class: BZ2/1.00/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 79,8° | 79,8° |
| Half peak side angle (left) | -39,9° | -39,9° |
| Half peak side angle (right) | 39,9° | 39,9° |
| One tenth peak divergence | 134,7° | 140,8° |
| Tenth peak side angle (left) | -67,3° | -70,4° |
| Tenth peak side angle (right) | 67,3° | 70,4° |

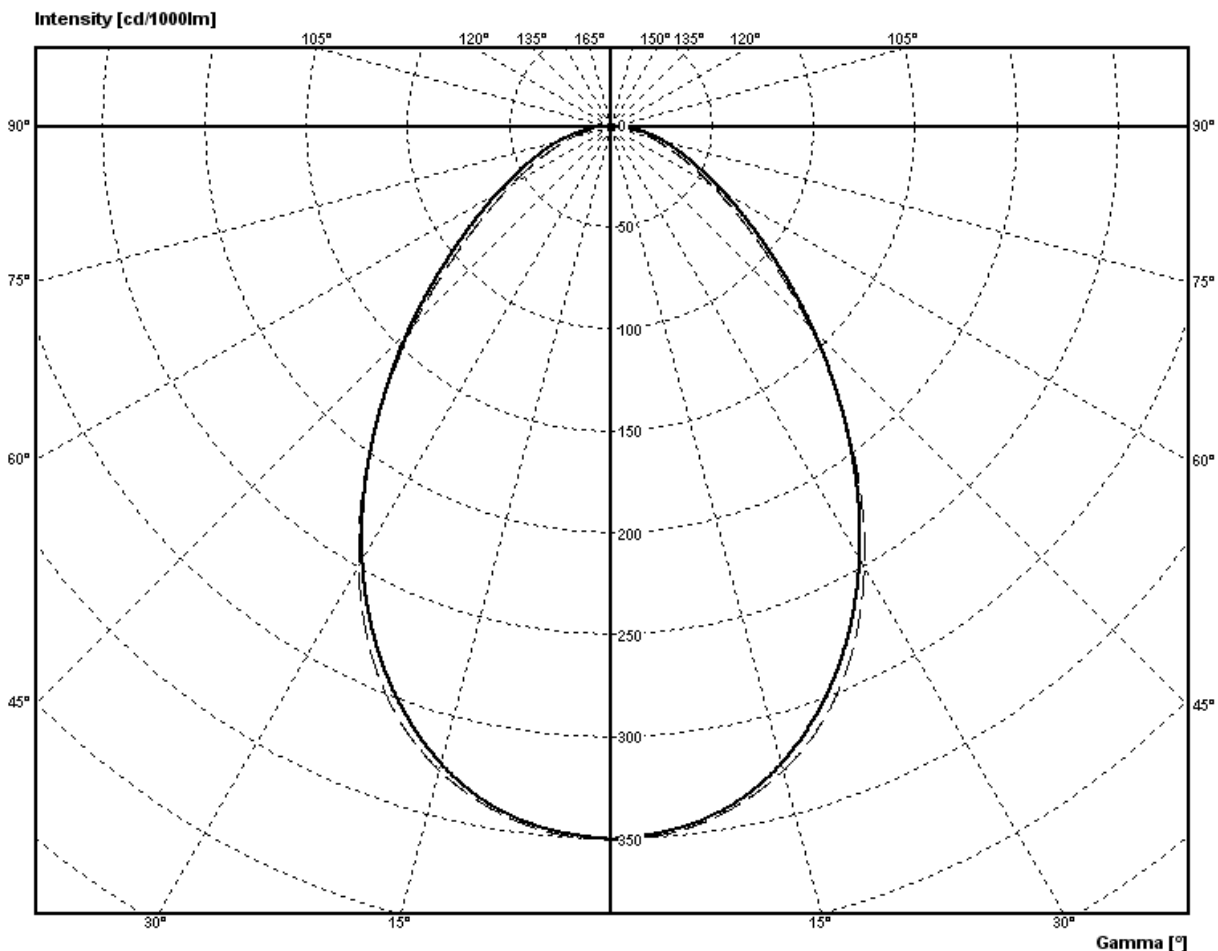
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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 REBA 50 /T EXT L0598+INT SYM BGLARE 840 HO / 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 | 16,2 | 17,6 | 16,5 | 17,9 | 18,3 | 18,0 | 19,4 | 18,4 | 19,8 | 20,1 |
| 2H | 3H | 16,7 | 18,0 | 17,1 | 18,3 | 18,7 | 18,6 | 19,9 | 19,0 | 20,2 | 20,6 |
| 2H | 4H | 16,9 | 18,1 | 17,3 | 18,4 | 18,8 | 18,8 | 20,1 | 19,2 | 20,4 | 20,8 |
| 2H | 6H | 17,0 | 18,1 | 17,4 | 18,5 | 18,9 | 19,0 | 20,1 | 19,4 | 20,5 | 20,9 |
| 2H | 8H | 17,0 | 18,1 | 17,4 | 18,5 | 18,9 | 19,0 | 20,1 | 19,4 | 20,5 | 20,9 |
| 2H | 12H | 17,0 | 18,0 | 17,4 | 18,4 | 18,8 | 19,0 | 20,1 | 19,4 | 20,4 | 20,8 |
| 4H | 2H | 16,5 | 17,7 | 16,9 | 18,1 | 18,4 | 18,1 | 19,3 | 18,5 | 19,7 | 20,0 |
| 4H | 3H | 17,1 | 18,1 | 17,5 | 18,5 | 18,9 | 18,8 | 19,8 | 19,2 | 20,2 | 20,6 |
| 4H | 4H | 17,4 | 18,3 | 17,8 | 18,7 | 19,2 | 19,1 | 20,0 | 19,5 | 20,4 | 20,9 |
| 4H | 6H | 17,6 | 18,4 | 18,0 | 18,8 | 19,3 | 19,3 | 20,1 | 19,8 | 20,6 | 21,0 |
| 4H | 8H | 17,6 | 18,4 | 18,1 | 18,8 | 19,3 | 19,4 | 20,1 | 19,8 | 20,6 | 21,0 |
| 4H | 12H | 17,7 | 18,3 | 18,1 | 18,8 | 19,3 | 19,4 | 20,1 | 19,9 | 20,5 | 21,0 |
| 8H | 4H | 17,5 | 18,2 | 17,9 | 18,7 | 19,1 | 19,1 | 19,8 | 19,6 | 20,3 | 20,7 |
| 8H | 6H | 17,7 | 18,3 | 18,2 | 18,8 | 19,3 | 19,3 | 19,9 | 19,8 | 20,4 | 20,9 |
| 8H | 8H | 17,8 | 18,4 | 18,3 | 18,9 | 19,4 | 19,4 | 20,0 | 20,0 | 20,5 | 21,0 |
| 8H | 12H | 17,9 | 18,3 | 18,4 | 18,8 | 19,4 | 19,5 | 20,0 | 20,0 | 20,5 | 21,0 |
| 12H | 4H | 17,5 | 18,2 | 17,9 | 18,6 | 19,1 | 19,1 | 19,8 | 19,6 | 20,2 | 20,7 |
| 12H | 6H | 17,7 | 18,3 | 18,3 | 18,8 | 19,3 | 19,3 | 19,9 | 19,9 | 20,4 | 20,9 |
| 12H | 8H | 17,8 | 18,3 | 18,4 | 18,8 | 19,3 | 19,4 | 19,9 | 20,0 | 20,4 | 20,9 |

UGR values are corrected for lamp flux of 2360 lm by 3,0

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Luminance [cd/m²] REBA 50 /T EXT L0598+INT SYM BGLARE 840 HO / Direct in 15° ©
/ 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 | 5210,21 | 5277,11 | 5717,84 | 6504,79 | 7706,21 | 9800,79 | 14730,6 | 9800,79 | 7706,21 |
| 50,00 | 3931,35 | 3958,00 | 4241,63 | 4859,62 | 5829,73 | 7492,03 | 11785,3 | 7492,03 | 5829,73 |
| 55,00 | 2936,68 | 2928,96 | 3162,09 | 3578,24 | 4316,94 | 5628,89 | 9379,46 | 5628,89 | 4316,94 |
| 60,00 | 2199,78 | 2150,16 | 2355,07 | 2613,19 | 3187,58 | 4236,62 | 7583,14 | 4236,62 | 3187,58 |
| 65,00 | 1637,21 | 1602,85 | 1740,59 | 1895,46 | 2334,24 | 3158,10 | 6116,40 | 3158,10 | 2334,24 |
| 70,00 | 1221,94 | 1221,20 | 1301,61 | 1390,04 | 1698,88 | 2325,56 | 4884,94 | 2325,56 | 1698,88 |
| 75,00 | 903,90 | 909,84 | 963,30 | 1013,79 | 1222,12 | 1716,27 | 3873,02 | 1716,27 | 1222,12 |
| 80,00 | 606,35 | 616,57 | 656,49 | 685,68 | 821,03 | 1154,71 | 2787,13 | 1154,71 | 821,03 |
| 85,00 | 328,33 | 327,33 | 358,34 | 364,22 | 432,05 | 600,27 | 1522,38 | 600,27 | 432,05 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6504,79 | 5717,84 | 5277,11 | 5210,21 | 5277,11 | 5717,84 | 6504,79 | 7706,21 | 9800,79 |
| 50,00 | 4859,62 | 4241,63 | 3958,00 | 3931,35 | 3958,00 | 4241,63 | 4859,62 | 5829,73 | 7492,03 |
| 55,00 | 3578,24 | 3162,09 | 2928,96 | 2936,68 | 2928,96 | 3162,09 | 3578,24 | 4316,94 | 5628,89 |
| 60,00 | 2613,19 | 2355,07 | 2150,16 | 2199,78 | 2150,16 | 2355,07 | 2613,19 | 3187,58 | 4236,62 |
| 65,00 | 1895,46 | 1740,59 | 1602,85 | 1637,21 | 1602,85 | 1740,59 | 1895,46 | 2334,24 | 3158,10 |
| 70,00 | 1390,04 | 1301,61 | 1221,20 | 1221,94 | 1221,20 | 1301,61 | 1390,04 | 1698,88 | 2325,56 |
| 75,00 | 1013,79 | 963,30 | 909,84 | 903,90 | 909,84 | 963,30 | 1013,79 | 1222,12 | 1716,27 |
| 80,00 | 685,68 | 656,49 | 616,57 | 606,35 | 616,57 | 656,49 | 685,68 | 821,03 | 1154,71 |
| 85,00 | 364,22 | 358,34 | 327,33 | 328,33 | 327,33 | 358,34 | 364,22 | 432,05 | 600,27 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 14730,6 | 9800,79 | 7706,21 | 6504,79 | 5717,84 | 5277,11 |
| 50,00 | 11785,3 | 7492,03 | 5829,73 | 4859,62 | 4241,63 | 3958,00 |
| 55,00 | 9379,46 | 5628,89 | 4316,94 | 3578,24 | 3162,09 | 2928,96 |
| 60,00 | 7583,14 | 4236,62 | 3187,58 | 2613,19 | 2355,07 | 2150,16 |
| 65,00 | 6116,40 | 3158,10 | 2334,24 | 1895,46 | 1740,59 | 1602,85 |
| 70,00 | 4884,94 | 2325,56 | 1698,88 | 1390,04 | 1301,61 | 1221,20 |
| 75,00 | 3873,02 | 1716,27 | 1222,12 | 1013,79 | 963,30 | 909,84 |
| 80,00 | 2787,13 | 1154,71 | 821,03 | 685,68 | 656,49 | 616,57 |
| 85,00 | 1522,38 | 600,27 | 432,05 | 364,22 | 358,34 | 327,33 |

HEADQUARTERS

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