

PHOTOMETRIC RESULTS

| | | | |
|-------------------|--|----------------------|------------------|
| Name: | REBA 50 D/I EXT L1698+INT SYM BLINE 830 HO | | |
| Number: | 90523+90527L006 | Diameter: | 0 mm |
| Report: | 26-02-2020 | Length: | 1698 mm |
| Meas.-no.: | 01 | Width: | 50 mm |
| Lamp type: | LED 830 - 01 | Height: | 87 mm |
| Number: | 01 | Power: | 80,75 W |
| Lamp flux: | 11880,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 26-02-2020 16:59:50 | Output ratio: | 62,4 % |

Protocol

LiTG-class: C43
UTE-class: 0,36 E + 0,26 T
IES-class: 50 - 80 - 96 - 58 - 62
TM5-class: BZ4

Divergences in the plane through maximum intensity:

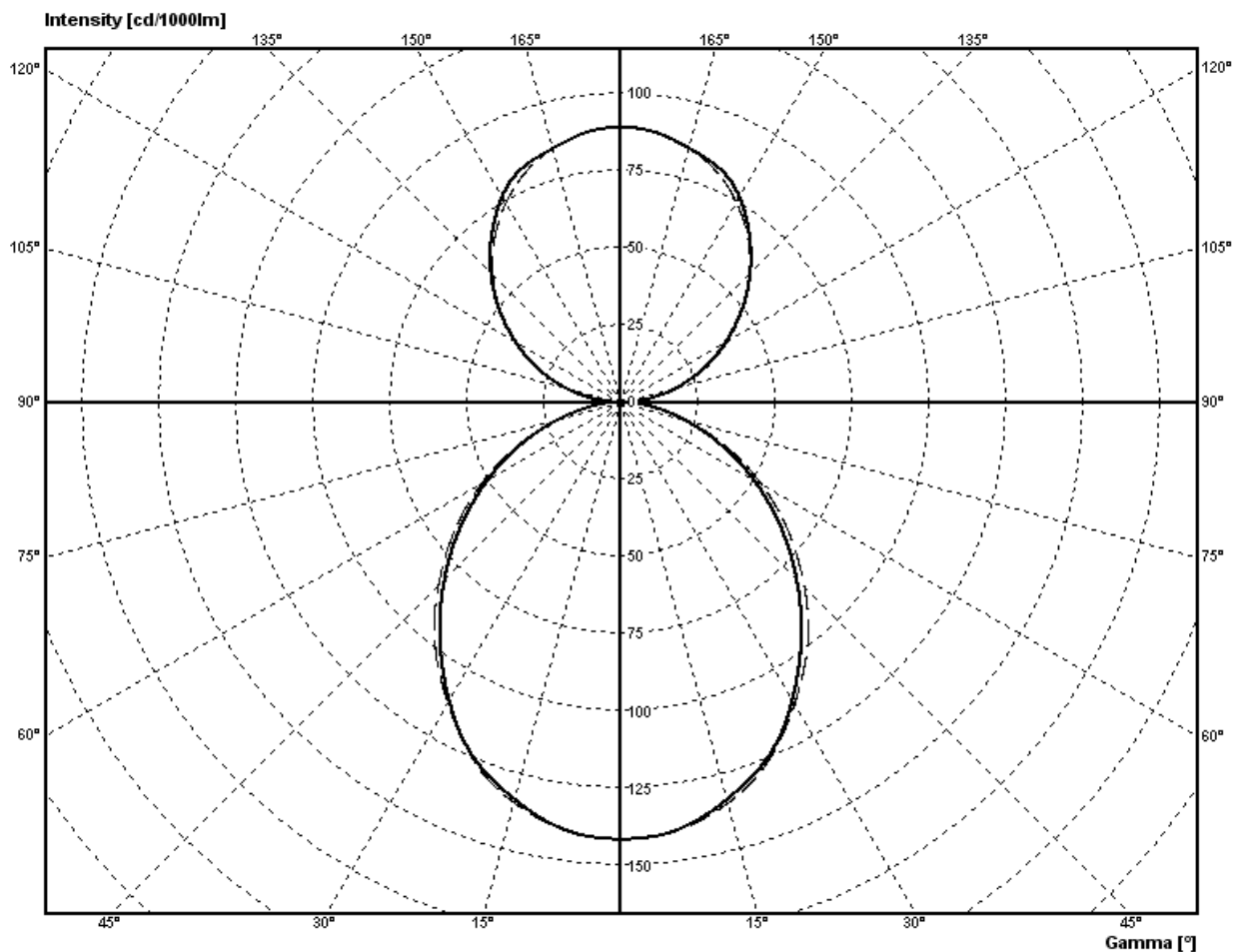
| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 102,5° | 99,6° |
| Half peak side angle (left) | -51,2° | -49,8° |
| Half peak side angle (right) | 51,2° | 49,8° |
| One tenth peak divergence | 157,6° | 157,9° |
| Tenth peak side angle (left) | -78,8° | -78,9° |
| Tenth peak side angle (right) | 78,8° | 78,9° |

| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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° | 95,0° |
| | 100,0° | 105,0° | 110,0° | 115,0° | 120,0° | 125,0° | 130,0° | 135,0° | 140,0° | 145,0° |
| | 150,0° | 155,0° | 160,0° | 165,0° | 170,0° | 175,0° | 180,0° | | | |

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Polar diagram REBA 50 D/I EXT L1698+INT SYM BLINE 830 HO / Total in 15° C / 5° 

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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 | 14,5 | 15,4 | 15,4 | 16,3 | 17,5 | 17,0 | 17,9 | 17,9 | 18,8 | 20,0 |
| 2H | 3H | 15,3 | 16,2 | 16,2 | 17,1 | 18,3 | 18,4 | 19,2 | 19,3 | 20,1 | 21,3 |
| 2H | 4H | 15,6 | 16,4 | 16,5 | 17,3 | 18,5 | 18,9 | 19,7 | 19,8 | 20,6 | 21,8 |
| 2H | 6H | 15,8 | 16,5 | 16,7 | 17,4 | 18,6 | 19,2 | 19,9 | 20,1 | 20,9 | 22,1 |
| 2H | 8H | 15,7 | 16,5 | 16,7 | 17,4 | 18,6 | 19,3 | 20,0 | 20,2 | 20,9 | 22,1 |
| 2H | 12H | 15,7 | 16,4 | 16,6 | 17,3 | 18,6 | 19,3 | 20,0 | 20,2 | 20,9 | 22,1 |
| 4H | 2H | 15,1 | 15,9 | 16,0 | 16,8 | 18,0 | 17,2 | 18,0 | 18,1 | 18,9 | 20,1 |
| 4H | 3H | 16,1 | 16,8 | 17,0 | 17,7 | 18,9 | 18,6 | 19,3 | 19,6 | 20,2 | 21,5 |
| 4H | 4H | 16,5 | 17,1 | 17,4 | 18,0 | 19,2 | 19,2 | 19,8 | 20,2 | 20,8 | 22,0 |
| 4H | 6H | 16,6 | 17,2 | 17,6 | 18,1 | 19,3 | 19,6 | 20,1 | 20,6 | 21,1 | 22,3 |
| 4H | 8H | 16,7 | 17,2 | 17,6 | 18,1 | 19,4 | 19,7 | 20,2 | 20,7 | 21,2 | 22,4 |
| 4H | 12H | 16,7 | 17,1 | 17,6 | 18,1 | 19,4 | 19,8 | 20,2 | 20,8 | 21,2 | 22,5 |
| 8H | 4H | 16,6 | 17,1 | 17,6 | 18,1 | 19,3 | 19,2 | 19,7 | 20,2 | 20,7 | 21,9 |
| 8H | 6H | 16,8 | 17,2 | 17,8 | 18,2 | 19,5 | 19,6 | 20,0 | 20,6 | 21,0 | 22,3 |
| 8H | 8H | 17,0 | 17,3 | 17,9 | 18,3 | 19,6 | 19,8 | 20,2 | 20,8 | 21,2 | 22,4 |
| 8H | 12H | 17,0 | 17,3 | 17,9 | 18,3 | 19,5 | 19,9 | 20,2 | 20,9 | 21,2 | 22,4 |
| 12H | 4H | 16,6 | 17,1 | 17,6 | 18,0 | 19,3 | 19,2 | 19,7 | 20,2 | 20,6 | 21,9 |
| 12H | 6H | 16,9 | 17,3 | 17,9 | 18,2 | 19,5 | 19,6 | 20,0 | 20,6 | 21,0 | 22,3 |
| 12H | 8H | 17,0 | 17,3 | 17,9 | 18,3 | 19,5 | 19,8 | 20,1 | 20,8 | 21,1 | 22,3 |

UGR values are corrected for lamp flux of 11880 lm by 8,6

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Luminance [cd/m²] REBA 50 D/I EXT L1698+INT SYM BLINE 830 HO / Total 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 | 6052,07 | 6197,84 | 6676,78 | 7590,00 | 9224,16 | 11782,0 | 17284,6 | 11782,0 | 9224,16 |
| 50,00 | 5158,10 | 5294,26 | 5716,87 | 6561,85 | 8054,93 | 10638,9 | 16491,1 | 10638,9 | 8054,93 |
| 55,00 | 4316,94 | 4453,60 | 4831,06 | 5606,62 | 6980,78 | 9604,29 | 15650,9 | 9604,29 | 6980,78 |
| 60,00 | 3559,94 | 3667,66 | 4002,09 | 4694,04 | 5926,45 | 8435,59 | 14684,3 | 8435,59 | 5926,45 |
| 65,00 | 2841,22 | 2926,29 | 3210,63 | 3787,30 | 4853,53 | 7133,18 | 13537,5 | 7133,18 | 4853,53 |
| 70,00 | 2152,67 | 2197,43 | 2467,02 | 2919,85 | 3800,40 | 5755,62 | 12178,3 | 5755,62 | 3800,40 |
| 75,00 | 1517,26 | 1560,84 | 1745,81 | 2070,27 | 2720,27 | 4285,68 | 10478,2 | 4285,68 | 2720,27 |
| 80,00 | 935,53 | 961,04 | 1073,01 | 1260,27 | 1682,68 | 2704,65 | 8173,72 | 2704,65 | 1682,68 |
| 85,00 | 438,02 | 451,47 | 513,57 | 585,27 | 781,13 | 1285,55 | 5417,17 | 1285,55 | 781,13 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 7590,00 | 6676,78 | 6197,84 | 6052,07 | 6197,84 | 6676,78 | 7590,00 | 9224,16 | 11782,0 |
| 50,00 | 6561,85 | 5716,87 | 5294,26 | 5158,10 | 5294,26 | 5716,87 | 6561,85 | 8054,93 | 10638,9 |
| 55,00 | 5606,62 | 4831,06 | 4453,60 | 4316,94 | 4453,60 | 4831,06 | 5606,62 | 6980,78 | 9604,29 |
| 60,00 | 4694,04 | 4002,09 | 3667,66 | 3559,94 | 3667,66 | 4002,09 | 4694,04 | 5926,45 | 8435,59 |
| 65,00 | 3787,30 | 3210,63 | 2926,29 | 2841,22 | 2926,29 | 3210,63 | 3787,30 | 4853,53 | 7133,18 |
| 70,00 | 2919,85 | 2467,02 | 2197,43 | 2152,67 | 2197,43 | 2467,02 | 2919,85 | 3800,40 | 5755,62 |
| 75,00 | 2070,27 | 1745,81 | 1560,84 | 1517,26 | 1560,84 | 1745,81 | 2070,27 | 2720,27 | 4285,68 |
| 80,00 | 1260,27 | 1073,01 | 961,04 | 935,53 | 961,04 | 1073,01 | 1260,27 | 1682,68 | 2704,65 |
| 85,00 | 585,27 | 513,57 | 451,47 | 438,02 | 451,47 | 513,57 | 585,27 | 781,13 | 1285,55 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 17284,6 | 11782,0 | 9224,16 | 7590,00 | 6676,78 | 6197,84 |
| 50,00 | 16491,1 | 10638,9 | 8054,93 | 6561,85 | 5716,87 | 5294,26 |
| 55,00 | 15650,9 | 9604,29 | 6980,78 | 5606,62 | 4831,06 | 4453,60 |
| 60,00 | 14684,3 | 8435,59 | 5926,45 | 4694,04 | 4002,09 | 3667,66 |
| 65,00 | 13537,5 | 7133,18 | 4853,53 | 3787,30 | 3210,63 | 2926,29 |
| 70,00 | 12178,3 | 5755,62 | 3800,40 | 2919,85 | 2467,02 | 2197,43 |
| 75,00 | 10478,2 | 4285,68 | 2720,27 | 2070,27 | 1745,81 | 1560,84 |
| 80,00 | 8173,72 | 2704,65 | 1682,68 | 1260,27 | 1073,01 | 961,04 |
| 85,00 | 5417,17 | 1285,55 | 781,13 | 585,27 | 513,57 | 451,47 |

HEADQUARTERS

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