

PHOTOMETRIC RESULTS

| | | | |
|-------------------|------------------------------|----------------------|-----------------|
| Name: | CORA L90W30 2 BOPTICS 840 LO | | |
| Number: | 90724L290 | Diameter: | 0 mm |
| Report: | 20-10-2022 | Length: | 897 mm |
| Meas.-no.: | 01 | Width: | 297 mm |
| Lamp type: | LED 840 - 01 | Height: | 30 mm |
| Number: | 1 | Power: | 19,84 W |
| Lamp flux: | 3200,00 lm | Operator: | INDELAGUE GROUP |
| Date: | 20/10/2022 10:51:06 | Output ratio: | 82,0 % |

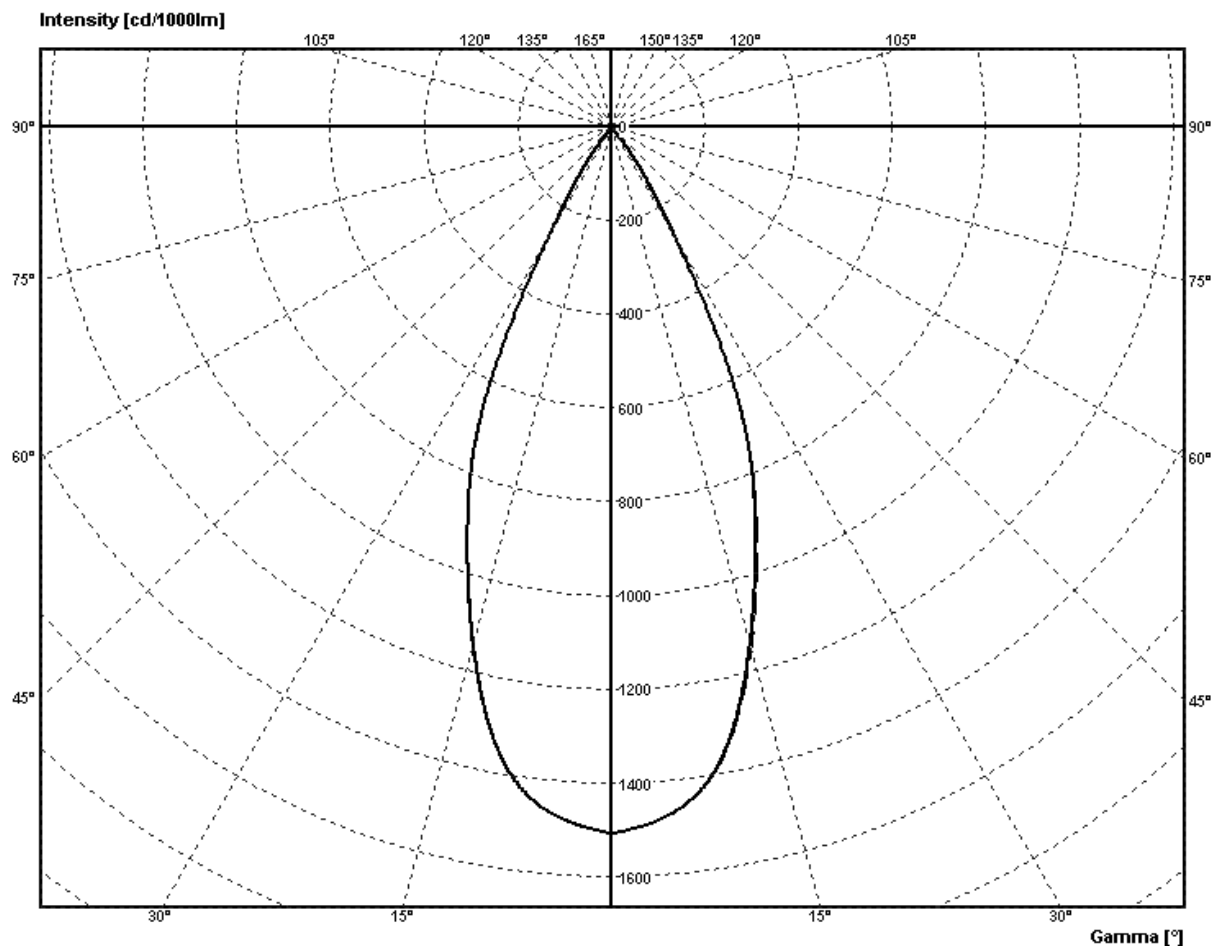
Info

| | | | | | | | | | | |
|--|---------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| LiTG-class: | A60 | | | | | | | | | |
| UTE-class: | Not available | | | | | | | | | |
| IES-class: | 99 - 100 - 100 - 100 - 82 | | | | | | | | | |
| TM5-class: | BZ1 | | | | | | | | | |
| | | | | | | | | | | |
| Divergences in the plane through maximum intensity: | | | | | | Horizontal | | Vertical | | |
| One half peak divergence: | | | | | | 45,7° | | 45,5° | | |
| Half peak side angle (left): | | | | | | -22,7° | | -22,9° | | |
| Half peak side angle (right): | | | | | | 23,0° | | 22,6° | | |
| One tenth peak divergence: | | | | | | 67,8° | | 67,4° | | |
| Tenth peak side angle (left): | | | | | | -34,0° | | -33,5° | | |
| Tenth peak side angle (right): | | | | | | 33,7° | | 33,8° | | |
| | | | | | | | | | | |
| 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 CORA L90W30 2 BOPTICS 840 LO / 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 | 4,8 | 5,6 | 5,2 | 5,9 | 6,2 | 5,1 | 5,8 | 5,4 | 6,1 |
| 2H | 3H | 4,6 | 5,2 | 4,9 | 5,6 | 5,9 | 4,8 | 5,5 | 5,2 | 5,8 |
| 2H | 4H | 4,4 | 5,1 | 4,8 | 5,4 | 5,8 | 4,7 | 5,3 | 5,1 | 5,7 |
| 2H | 6H | 4,3 | 4,9 | 4,7 | 5,3 | 5,7 | 4,6 | 5,1 | 5,0 | 5,5 |
| 2H | 8H | 4,2 | 4,8 | 4,7 | 5,2 | 5,6 | 4,5 | 5,0 | 4,9 | 5,4 |
| 2H | 12H | 4,2 | 4,7 | 4,6 | 5,1 | 5,5 | 4,4 | 4,9 | 4,8 | 5,3 |
| 4H | 2H | 4,4 | 5,1 | 4,8 | 5,4 | 5,8 | 4,7 | 5,3 | 5,1 | 5,7 |
| 4H | 3H | 4,2 | 4,7 | 4,6 | 5,1 | 5,5 | 4,4 | 4,9 | 4,8 | 5,3 |
| 4H | 4H | 4,1 | 4,5 | 4,5 | 4,9 | 5,4 | 4,3 | 4,7 | 4,7 | 5,2 |
| 4H | 6H | 3,9 | 4,3 | 4,4 | 4,7 | 5,2 | 4,1 | 4,5 | 4,6 | 5,0 |
| 4H | 8H | 3,8 | 4,2 | 4,3 | 4,6 | 5,1 | 4,0 | 4,4 | 4,5 | 4,9 |
| 4H | 12H | 3,7 | 4,1 | 4,2 | 4,6 | 5,1 | 4,0 | 4,3 | 4,5 | 4,8 |
| 8H | 4H | 3,8 | 4,2 | 4,3 | 4,6 | 5,1 | 4,0 | 4,4 | 4,5 | 4,9 |
| 8H | 6H | 3,6 | 3,9 | 4,1 | 4,4 | 4,9 | 3,9 | 4,2 | 4,4 | 4,7 |
| 8H | 8H | 3,6 | 3,9 | 4,1 | 4,4 | 4,9 | 3,8 | 4,1 | 4,4 | 4,6 |
| 8H | 12H | 3,5 | 3,7 | 4,1 | 4,2 | 4,8 | 3,8 | 4,0 | 4,3 | 4,5 |
| 12H | 4H | 3,7 | 4,1 | 4,2 | 4,5 | 5,1 | 4,0 | 4,3 | 4,5 | 4,8 |
| 12H | 6H | 3,6 | 3,8 | 4,1 | 4,4 | 4,9 | 3,8 | 4,1 | 4,4 | 4,6 |
| 12H | 8H | 3,5 | 3,7 | 4,0 | 4,2 | 4,8 | 3,7 | 4,0 | 4,3 | 4,5 |

UGR values are corrected for lamp flux of 3200 lm by 4,0

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Luminance [cd/m²] CORA L90W30 2 BOPTICS 840 LO / 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 | 82,76 | 96,11 | 131,62 | 175,95 | 156,79 | 116,81 | 106,48 | 116,81 | 156,79 |
| 50,00 | 32,51 | 39,04 | 48,81 | 63,43 | 55,32 | 43,92 | 42,30 | 43,92 | 55,32 |
| 55,00 | 14,57 | 21,87 | 25,52 | 30,99 | 31,00 | 23,70 | 21,88 | 23,70 | 31,00 |
| 60,00 | 8,36 | 8,36 | 12,55 | 16,73 | 16,73 | 16,73 | 8,37 | 16,73 | 16,73 |
| 65,00 | 9,89 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 |
| 70,00 | 12,22 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 |
| 75,00 | 16,15 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 |
| 80,00 | 24,07 | 24,08 | 24,09 | 24,08 | 24,09 | 24,08 | 24,09 | 24,08 | 24,09 |
| 85,00 | 47,96 | 47,98 | 47,99 | 47,98 | 48,00 | 47,98 | 47,99 | 47,98 | 48,00 |

| | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G/C [cd] | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
| 45,00 | 175,95 | 131,62 | 96,11 | 82,76 | 96,11 | 131,62 | 175,95 | 156,79 | 116,81 |
| 50,00 | 63,43 | 48,81 | 39,04 | 32,51 | 39,04 | 48,81 | 63,43 | 55,32 | 43,92 |
| 55,00 | 30,99 | 25,52 | 21,87 | 14,57 | 21,87 | 25,52 | 30,99 | 31,00 | 23,70 |
| 60,00 | 16,73 | 12,55 | 8,36 | 8,36 | 8,36 | 12,55 | 16,73 | 16,73 | 16,73 |
| 65,00 | 9,90 | 9,90 | 9,90 | 9,89 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 |
| 70,00 | 12,23 | 12,23 | 12,23 | 12,22 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 |
| 75,00 | 16,16 | 16,16 | 16,16 | 16,15 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 |
| 80,00 | 24,08 | 24,09 | 24,08 | 24,07 | 24,08 | 24,09 | 24,08 | 24,09 | 24,08 |
| 85,00 | 47,98 | 47,99 | 47,98 | 47,96 | 47,98 | 47,99 | 47,98 | 48,00 | 47,98 |

| | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|
| G/C [cd] | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
| 45,00 | 106,48 | 116,81 | 156,79 | 175,95 | 131,62 | 96,11 |
| 50,00 | 42,30 | 43,92 | 55,32 | 63,43 | 48,81 | 39,04 |
| 55,00 | 21,88 | 23,70 | 31,00 | 30,99 | 25,52 | 21,87 |
| 60,00 | 8,37 | 16,73 | 16,73 | 16,73 | 12,55 | 8,36 |
| 65,00 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 | 9,90 |
| 70,00 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 | 12,23 |
| 75,00 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 | 16,16 |
| 80,00 | 24,09 | 24,08 | 24,09 | 24,08 | 24,09 | 24,08 |
| 85,00 | 47,99 | 47,98 | 48,00 | 47,98 | 47,99 | 47,98 |