

PHOTOMETRIC RESULTS

| | | | |
|-------------------|------------------------------|----------------------|------------------|
| Name: | TALEA Glare L878 bLINE 840 W | | |
| Number: | 01 | Diameter: | 0 mm |
| Report: | 19-12-18 | Length: | 878 mm |
| Meas.-no.: | 01 | Width: | 100 mm |
| Lamp type: | LED 840 - 01 | Height: | 100 mm |
| Number: | 1 | Power: | 14,83 W |
| Lamp flux: | 1992,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 19-12-2018 8:14:49 | Output ratio: | 79,3 % |

Protocol

LiTG-class: B31
UTE-class: 0,64 H + 0,15 T
IES-class: 37 - 65 - 86 - 81 - 79
TM5-class: BZ6

| | | |
|--|------------|----------|
| Divergences in the plane through maximum intensity: | Horizontal | Vertical |
| One half peak divergence | 102,8° | 173,5° |
| Half peak side angle (left) | -51,4° | -86,8° |
| Half peak side angle (right) | 51,4° | 86,8° |
| One tenth peak divergence | 159,0° | 294,4° |
| Tenth peak side angle (left) | -79,5° | -147,2° |
| Tenth peak side angle (right) | 79,5° | 147,2° |

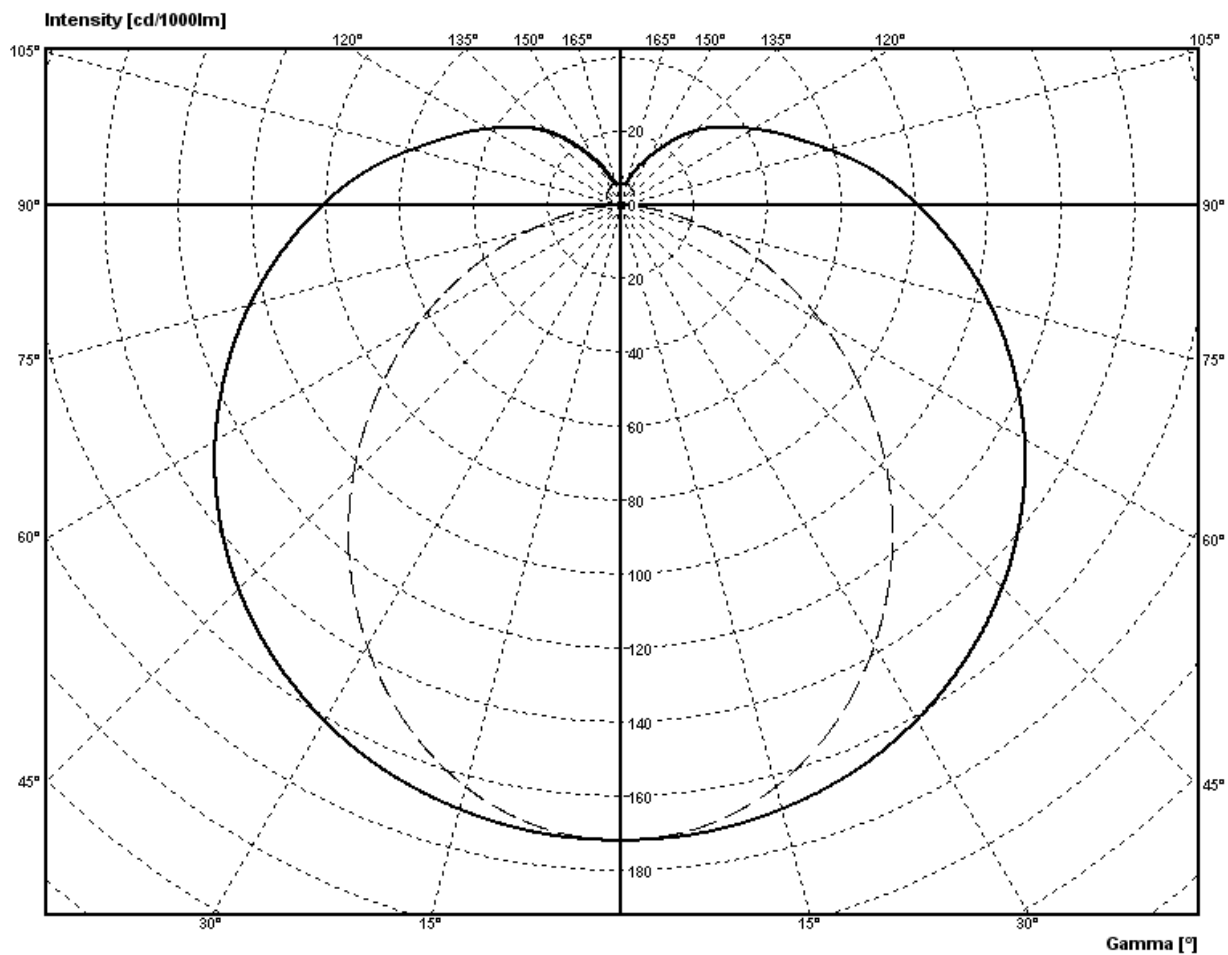
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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° | | | |

PHOTOMETRIC RESULTS

| | | | |
|------------|------------------------------|---------------|------------------|
| Name: | TALEA Glare L878 bLINE 840 W | | |
| Number: | 01 | Diameter: | 0 mm |
| Report: | 19-12-18 | Length: | 878 mm |
| Meas.-no.: | 01 | Width: | 100 mm |
| Lamp type: | LED 840 - 01 | Height: | 100 mm |
| Number: | 1 | Power: | 14,83 W |
| Lamp flux: | 1992,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 19-12-2018 8:14:49 | Output ratio: | 79,3 % |

Polar diagram TALEA Glare L878 bLINE 840 W / Total in 15° C / 5° G



PHOTOMETRIC RESULTS

| | | | |
|-------------------|------------------------------|----------------------|------------------|
| Name: | TALEA Glare L878 bLINE 840 W | | |
| Number: | 01 | Diameter: | 0 mm |
| Report: | 19-12-18 | Length: | 878 mm |
| Meas.-no.: | 01 | Width: | 100 mm |
| Lamp type: | LED 840 - 01 | Height: | 100 mm |
| Number: | 1 | Power: | 14,83 W |
| Lamp flux: | 1992,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 19-12-2018 8:14:49 | Output ratio: | 79,3 % |

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 | 14,0 | 15,4 | 14,7 | 16,0 | 16,8 | 12,7 | 14,0 | 13,3 | 14,7 | 15,4 |
| 2H | 3H | 16,2 | 17,5 | 16,9 | 18,1 | 18,9 | 14,0 | 15,3 | 14,7 | 15,9 | 16,7 |
| 2H | 4H | 17,3 | 18,5 | 18,0 | 19,2 | 20,0 | 14,6 | 15,7 | 15,2 | 16,4 | 17,2 |
| 2H | 6H | 18,4 | 19,5 | 19,1 | 20,2 | 21,0 | 15,0 | 16,1 | 15,6 | 16,8 | 17,6 |
| 2H | 8H | 18,9 | 20,0 | 19,6 | 20,7 | 21,5 | 15,1 | 16,2 | 15,8 | 16,9 | 17,7 |
| 2H | 12H | 19,4 | 20,4 | 20,0 | 21,1 | 21,9 | 15,2 | 16,2 | 15,8 | 16,9 | 17,7 |
| 4H | 2H | 14,7 | 15,8 | 15,3 | 16,5 | 17,3 | 13,6 | 14,8 | 14,3 | 15,5 | 16,2 |
| 4H | 3H | 17,1 | 18,1 | 17,7 | 18,8 | 19,6 | 15,2 | 16,2 | 15,9 | 16,9 | 17,8 |
| 4H | 4H | 18,4 | 19,3 | 19,1 | 20,0 | 20,9 | 15,9 | 16,9 | 16,6 | 17,6 | 18,4 |
| 4H | 6H | 19,6 | 20,5 | 20,3 | 21,2 | 22,0 | 16,5 | 17,3 | 17,2 | 18,1 | 18,9 |
| 4H | 8H | 20,2 | 21,0 | 21,0 | 21,8 | 22,6 | 16,7 | 17,5 | 17,4 | 18,2 | 19,1 |
| 4H | 12H | 20,9 | 21,6 | 21,6 | 22,3 | 23,2 | 16,8 | 17,6 | 17,6 | 18,3 | 19,2 |
| 8H | 4H | 18,7 | 19,5 | 19,4 | 20,2 | 21,1 | 16,6 | 17,4 | 17,4 | 18,2 | 19,0 |
| 8H | 6H | 20,1 | 20,8 | 20,9 | 21,6 | 22,5 | 17,4 | 18,1 | 18,2 | 18,9 | 19,8 |
| 8H | 8H | 21,0 | 21,6 | 21,7 | 22,4 | 23,2 | 17,8 | 18,4 | 18,6 | 19,2 | 20,1 |
| 8H | 12H | 21,8 | 22,3 | 22,5 | 23,1 | 24,0 | 18,1 | 18,6 | 18,8 | 19,4 | 20,3 |
| 12H | 4H | 18,7 | 19,5 | 19,4 | 20,2 | 21,1 | 16,8 | 17,6 | 17,6 | 18,3 | 19,2 |
| 12H | 6H | 20,3 | 20,9 | 21,1 | 21,7 | 22,6 | 17,8 | 18,4 | 18,5 | 19,2 | 20,1 |
| 12H | 8H | 21,1 | 21,7 | 21,9 | 22,5 | 23,3 | 18,2 | 18,8 | 19,0 | 19,6 | 20,4 |

UGR values are corrected for lamp flux of 1992 lm by 2,4

PHOTOMETRIC RESULTS

| | | | |
|-------------------|------------------------------|----------------------|------------------|
| Name: | TALEA Glare L878 bLINE 840 W | | |
| Number: | 01 | Diameter: | 0 mm |
| Report: | 19-12-18 | Length: | 878 mm |
| Meas.-no.: | 01 | Width: | 100 mm |
| Lamp type: | LED 840 - 01 | Height: | 100 mm |
| Number: | 1 | Power: | 14,83 W |
| Lamp flux: | 1992,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 19-12-2018 8:14:49 | Output ratio: | 79,3 % |

Luminance [cd/m²] TALEA Glare L878 bLINE 840 W / 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 | 2381,84 | 2346,49 | 2312,12 | 2298,21 | 2341,77 | 2517,00 | 2988,35 | 2517,00 | 2341,77 |
| 50,00 | 2292,60 | 2251,27 | 2205,71 | 2173,39 | 2190,16 | 2333,93 | 2817,81 | 2333,93 | 2190,16 |
| 55,00 | 2210,48 | 2165,38 | 2106,27 | 2055,28 | 2042,22 | 2145,16 | 2627,96 | 2145,16 | 2042,22 |
| 60,00 | 2136,24 | 2085,20 | 2017,51 | 1944,55 | 1905,58 | 1960,26 | 2422,22 | 1960,26 | 1905,58 |
| 65,00 | 2066,46 | 2014,72 | 1936,62 | 1845,96 | 1771,33 | 1767,07 | 2183,25 | 1767,07 | 1771,33 |
| 70,00 | 2007,78 | 1950,31 | 1863,41 | 1755,44 | 1668,91 | 1568,92 | 1898,70 | 1568,92 | 1668,91 |
| 75,00 | 1955,87 | 1893,14 | 1800,79 | 1679,55 | 1552,38 | 1386,04 | 1593,43 | 1386,04 | 1552,38 |
| 80,00 | 1912,45 | 1847,34 | 1750,42 | 1617,95 | 1458,73 | 1243,75 | 1297,83 | 1243,75 | 1458,73 |
| 85,00 | 1880,41 | 1812,43 | 1713,15 | 1573,35 | 1383,99 | 1063,03 | 954,78 | 1063,03 | 1383,99 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 2298,21 | 2312,12 | 2346,49 | 2381,84 | 2346,49 | 2312,12 | 2298,21 | 2341,77 | 2517,00 |
| 50,00 | 2173,39 | 2205,71 | 2251,27 | 2292,60 | 2251,27 | 2205,71 | 2173,39 | 2190,16 | 2333,93 |
| 55,00 | 2055,28 | 2106,27 | 2165,38 | 2210,48 | 2165,38 | 2106,27 | 2055,28 | 2042,22 | 2145,16 |
| 60,00 | 1944,55 | 2017,51 | 2085,20 | 2136,24 | 2085,20 | 2017,51 | 1944,55 | 1905,58 | 1960,26 |
| 65,00 | 1845,96 | 1936,62 | 2014,72 | 2066,46 | 2014,72 | 1936,62 | 1845,96 | 1771,33 | 1767,07 |
| 70,00 | 1755,44 | 1863,41 | 1950,31 | 2007,78 | 1950,31 | 1863,41 | 1755,44 | 1668,91 | 1568,92 |
| 75,00 | 1679,55 | 1800,79 | 1893,14 | 1955,87 | 1893,14 | 1800,79 | 1679,55 | 1552,38 | 1386,04 |
| 80,00 | 1617,95 | 1750,42 | 1847,34 | 1912,45 | 1847,34 | 1750,42 | 1617,95 | 1458,73 | 1243,75 |
| 85,00 | 1573,35 | 1713,15 | 1812,43 | 1880,41 | 1812,43 | 1713,15 | 1573,35 | 1383,99 | 1063,03 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 2988,35 | 2517,00 | 2341,77 | 2298,21 | 2312,12 | 2346,49 |
| 50,00 | 2817,81 | 2333,93 | 2190,16 | 2173,39 | 2205,71 | 2251,27 |
| 55,00 | 2627,96 | 2145,16 | 2042,22 | 2055,28 | 2106,27 | 2165,38 |
| 60,00 | 2422,22 | 1960,26 | 1905,58 | 1944,55 | 2017,51 | 2085,20 |
| 65,00 | 2183,25 | 1767,07 | 1771,33 | 1845,96 | 1936,62 | 2014,72 |
| 70,00 | 1898,70 | 1568,92 | 1668,91 | 1755,44 | 1863,41 | 1950,31 |
| 75,00 | 1593,43 | 1386,04 | 1552,38 | 1679,55 | 1800,79 | 1893,14 |
| 80,00 | 1297,83 | 1243,75 | 1458,73 | 1617,95 | 1750,42 | 1847,34 |
| 85,00 | 954,78 | 1063,03 | 1383,99 | 1573,35 | 1713,15 | 1812,43 |

HEADQUARTERS

INDÚSTRIA ELÉTRICA DE ÁGUEDA S.A.

Rua da Mina 465 | Covão | Zona industrial EN1 Norte

3750-792 Trofa ÁGUEDA | PORTUGAL

www.indelague.com | www.roxolighting.com

indelague@indelague.pt | roxo.london@roxolighting.com

Tel. (+351) 234 612 310

Fax (+351) 234 624 058