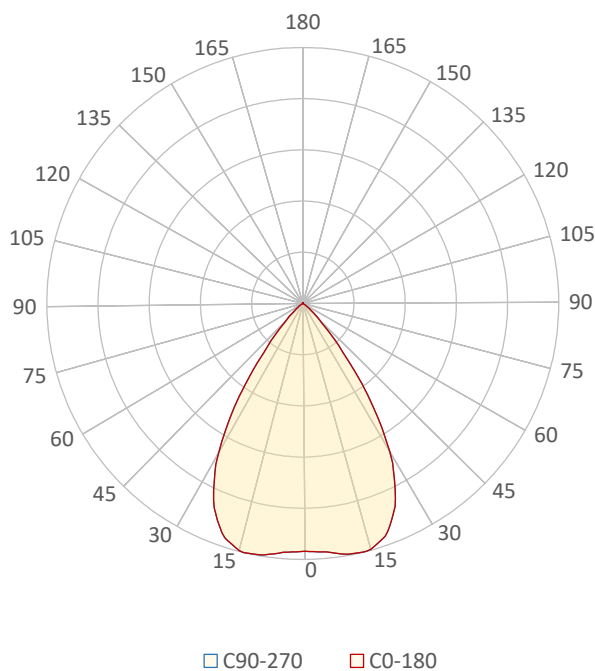


General Discription

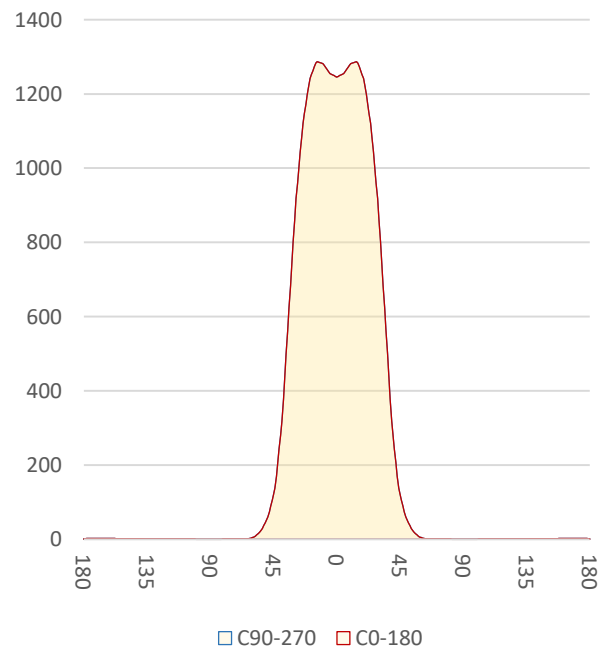
| | |
|-------------------|-------------------|
| Item number | M-XXX-X- |
| Date and time | 1-5-2020 12:00:09 |
| CCT (Kelvin) | 10261 K |
| Beam angle | 67,3 x 67,3° |
| Luminous flux | 1440 lm |
| Efficiency | 53 lm/watt |
| Weighted energy | 27,4 kWh/1000h |
| Power factor | 0,56 |
| CRI (RA) | 34,2 |
| Fidelity index Rf | Rf 0,0 |
| Gammut index Rg | Rg n/a |
| Peak | 1296 cd |



Polar diagram



Cartesian diagram



LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-WIDE [all on]

| Beam details | 1m | 2m | 3m | 4m | 5m | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-----------|----------|----------|---------|------------------------|--------|--------|--------|--------|--------------------------|--------|--------|--------|--------|-------------------------------------|--------|--------|--------|--------|------------------------------------|--|--|--|--|
| Lux* | 1246 lx | 311 lx | 138 lx | 78 lx | 50 lx | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>*measured at center of beam</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| Footcandles* | 115,7 fcd | 28,9 fcd | 12,9 fcd | 7,2 fcd | 4,6 fcd | | | | | | | | | | | | | | | | | | | |
| Beam width (meter) | 1,3 m | 2,7 m | 4 m | 5,3 m | 6,7 m | | | | | | | | | | | | | | | | | | | |
| Beam width 90° (meter) | 1,3 m | 2,7 m | 4 m | 5,3 m | 6,7 m | | | | | | | | | | | | | | | | | | | |
| Beam width (Feet) | 4,4 ft | 8,7 ft | 13,1 ft | 17,5 ft | 21,8 ft | | | | | | | | | | | | | | | | | | | |
| Beam intensities | | | | | | | | | | | | | | | | | | | | | | | | |
| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m | | | | | |
| 1246lx | 311lx | 138lx | 78lx | 50lx | 35lx | 25lx | 19lx | 15lx | 12lx | 10lx | 9lx | 7lx | 6lx | 6lx | 5lx | 4lx | 4lx | 3lx | 3lx | | | | | |
| 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 19,7ft | 23ft | 26,2ft | 29,5ft | 32,8ft | 36,1ft | 39,4ft | 42,7ft | 45,9ft | 49,2ft | 52,5ft | 55,8ft | 59,1ft | 62,3ft | 65,6ft | | | | | |
| 115,7fcd | 28,9fcd | 12,9fcd | 7,2fcd | 4,6fcd | 3,2fcd | 2,4fcd | 1,8fcd | 1,4fcd | 1,2fcd | 1fcd | 0,8fcd | 0,7fcd | 0,6fcd | 0,5fcd | 0,5fcd | 0,4fcd | 0,4fcd | 0,3fcd | 0,3fcd | | | | | |
| Intensities in 0° c-plane | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° | | | | | |
| 1246 | 1246 | 1249 | 1261 | 1274 | 1283 | 1291 | 1292 | 1279 | 1266 | 1225 | 1182 | 1125 | 1051 | 978 | 864 | 749 | 624 | 490 | 359 | | | | | |
| 100% | 100% | 100% | 101% | 102% | 103% | 104% | 104% | 103% | 102% | 98% | 95% | 90% | 84% | 79% | 69% | 60% | 50% | 39% | 29% | | | | | |
| Intensities in 90° c-plane | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° | | | | | |
| 1246 | 1246 | 1249 | 1261 | 1274 | 1283 | 1291 | 1292 | 1279 | 1266 | 1225 | 1182 | 1125 | 1051 | 978 | 864 | 749 | 624 | 490 | 359 | | | | | |
| 100% | 100% | 100% | 101% | 102% | 103% | 104% | 104% | 103% | 102% | 98% | 95% | 90% | 84% | 79% | 69% | 60% | 50% | 39% | 29% | | | | | |
| Intensities in 180° c-plane | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° | | | | | |
| 1246 | 1246 | 1249 | 1261 | 1274 | 1283 | 1291 | 1292 | 1279 | 1266 | 1225 | 1182 | 1125 | 1051 | 978 | 864 | 749 | 624 | 490 | 359 | | | | | |
| 100% | 100% | 100% | 101% | 102% | 103% | 104% | 104% | 103% | 102% | 98% | 95% | 90% | 84% | 79% | 69% | 60% | 50% | 39% | 29% | | | | | |
| Intensities in 270° c-plane | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° | | | | | |
| 1246 | 1246 | 1249 | 1261 | 1274 | 1283 | 1291 | 1292 | 1279 | 1266 | 1225 | 1182 | 1125 | 1051 | 978 | 864 | 749 | 624 | 490 | 359 | | | | | |
| 100% | 100% | 100% | 101% | 102% | 103% | 104% | 104% | 103% | 102% | 98% | 95% | 90% | 84% | 79% | 69% | 60% | 50% | 39% | 29% | | | | | |
| Beam angle 50% | | | | | Field angle 10% | | | | | Cutoff angle 2,5% | | | | | Intensity ratio in 120° cone | | | | | Intensity ratio in 90° cone | | | | |
| 67,3° | | | | | 88,9° | | | | | 104,3° | | | | | 99,6% | | | | | 96,3% | | | | |



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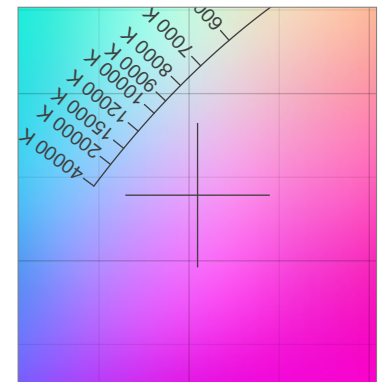
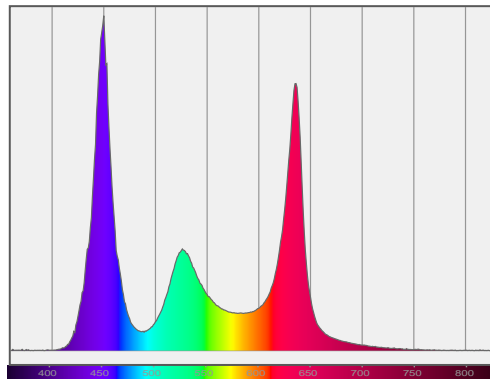
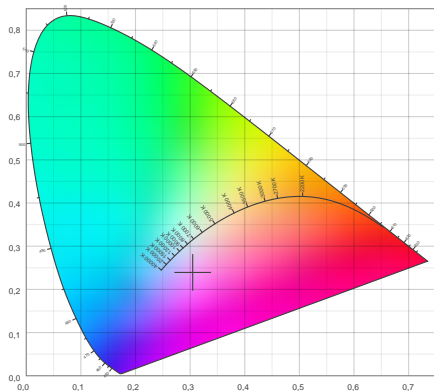
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LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-WIDE [all on]

Color details



CIE 1931

x: 0,305



Spectra

CIE 1931 ZOOM

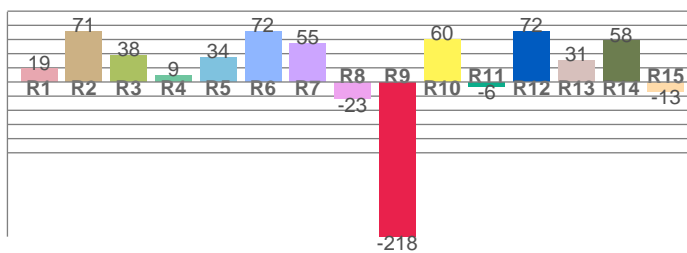
10261 K

y: 0,239

Δuv : -0,0492

CRI: 34,2 (R1-R8)

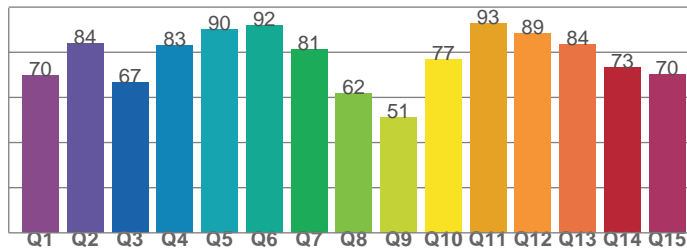
CRI values, R1-R8 are used to calculate final CRI value



| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 |
|--------|------|------|------|------|------|-------|-------|
| 18,5 | 71,3 | 37,9 | 8,8 | 34,1 | 71,5 | 54,9 | -23,1 |
| R9 | R10 | R11 | R12 | R13 | R14 | R15 | |
| -218,4 | 60,1 | -6,1 | 71,8 | 30,8 | 58,1 | -13,0 | |

CQS: 74,8

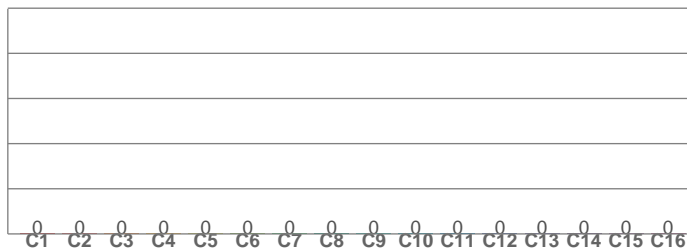
CQS values



| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 |
|------|------|------|------|------|------|------|------|
| 69,9 | 83,8 | 66,6 | 83,1 | 90,3 | 92,1 | 81,2 | 62,0 |
| Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | |
| 51,2 | 76,7 | 92,6 | 88,5 | 83,7 | 73,2 | 70,4 | |

TM30: 0,0

TM30 values, 16 binned values out of total of 99 values



| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| C9 | C10 | C11 | C12 | C13 | C14 | C15 | |
| 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | |

Color parameters

| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |



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LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-WIDE [all on]

10261 K 34,2 -218,4 0,0 n/a 74,8 0,305 0,239 0,232 0,273 -0,0492

TM30 details

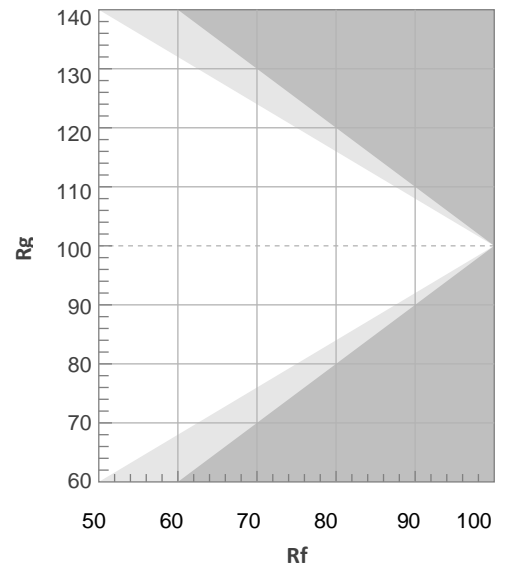
Rf 0,0

Fidelity index Rf

Rg n/a

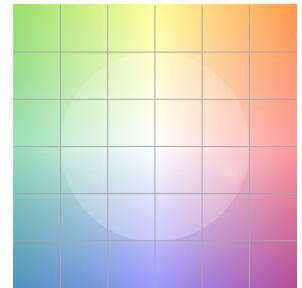
Gammut index Rg

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 0 | 0% | 0% |
| 2 | 0 | 0% | 0% |
| 3 | 0 | 0% | 0% |
| 4 | 0 | 0% | 0% |
| 5 | 0 | 0% | 0% |
| 6 | 0 | 0% | 0% |
| 7 | 0 | 0% | 0% |
| 8 | 0 | 0% | 0% |
| 9 | 0 | 0% | 0% |
| 10 | 0 | 0% | 0% |
| 11 | 0 | 0% | 0% |
| 12 | 0 | 0% | 0% |
| 13 | 0 | 0% | 0% |
| 14 | 0 | 0% | 0% |
| 15 | 0 | 0% | 0% |
| 16 | 0 | 0% | 0% |



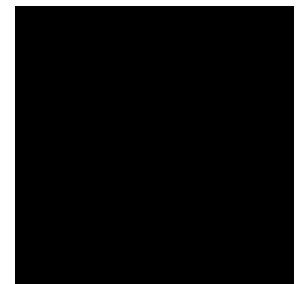
Hue binH

Color vector graphics



Hue bin

Color distortion graphics

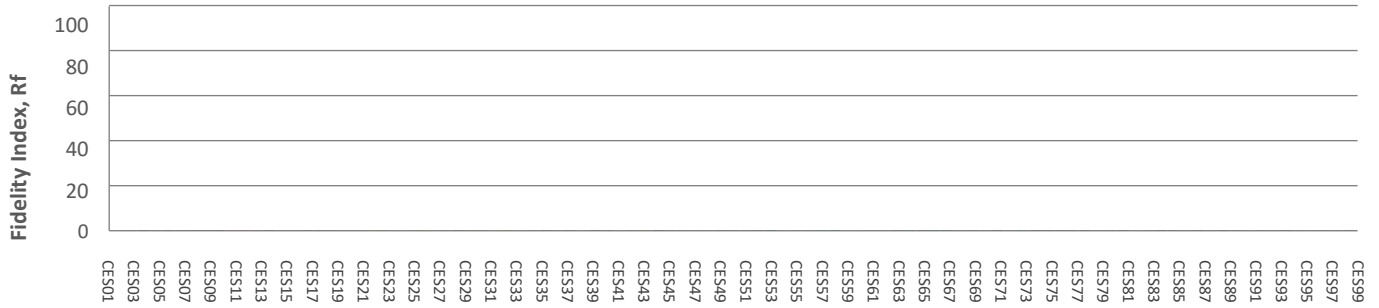


Color Evaluation Sample



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Glare Evaluation According to UGR

| | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
|------------------|--|-----|-----|-----|-----|---|-----|-----|-----|-----|
| p Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| p Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| p Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room size X Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |

Variation of the observer position for the luminaire distance S



LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-WIDE [all on]

| | | |
|---|-----|-----|
| n/a | n/a | n/a |
| n/a | n/a | n/a |
| n/a | n/a | n/a |
| Standard table | n/a | n/a |
| Correction summand | n/a | n/a |
| Corrected glare indices referring to 1440lm total luminous flux | | |



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