

LuxEOS Flood 9 VIVID COLOUR

LED FLOOD FOR ARCHITECTURAL LIGHTING



LuxEOS Flood 9 - RGBA (1700K)
10° 20° 40° 80° 10x60° 60x10°

Tested By
DW Windsor Group Laboratory
Hoddesdon
UK

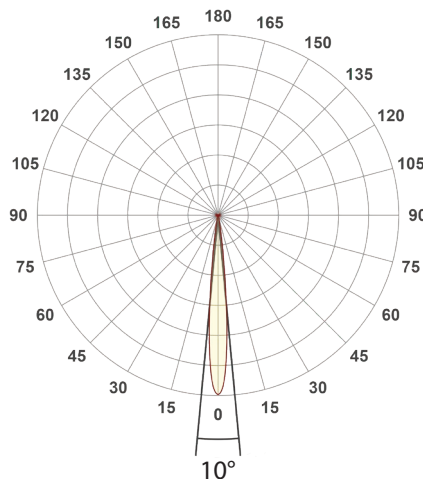
Date
Nov 2020

Dimensions
350mm (H) x 255mm (W) x 150mm (D) (including yoke)

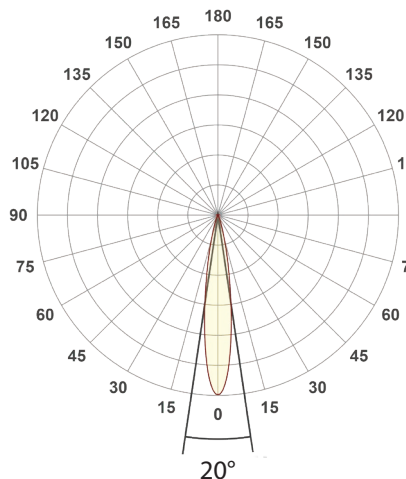
Weight
7.2 kgs (15.9lbs)

Polar Distribution

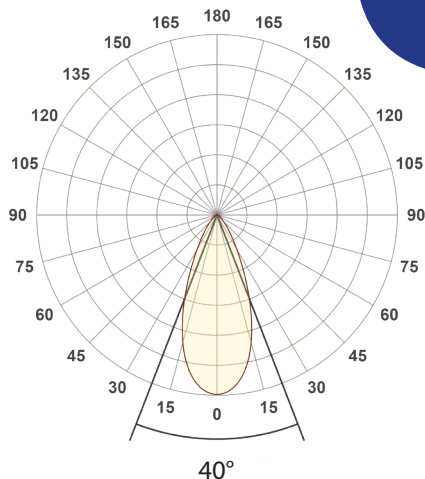
10° Conical Beam (Native)



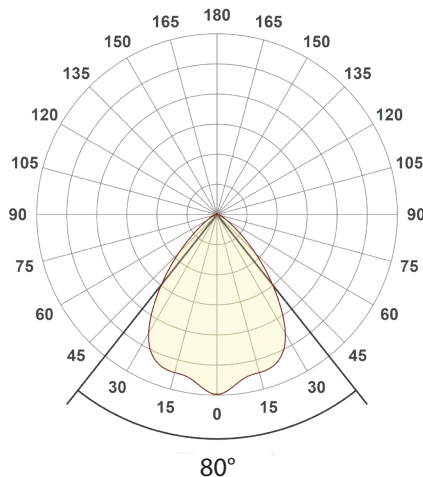
20° Conical Beam (With HBS)



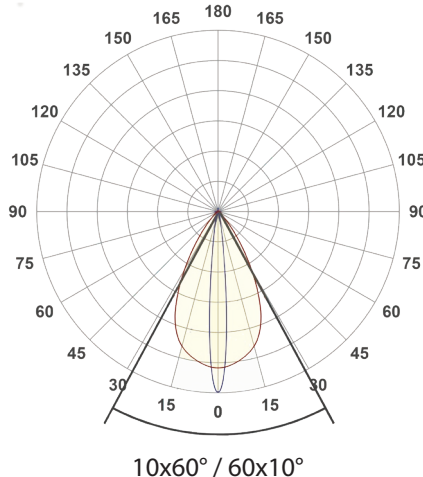
40° Conical Beam (With HBS)



80° Conical Beam (With HBS)

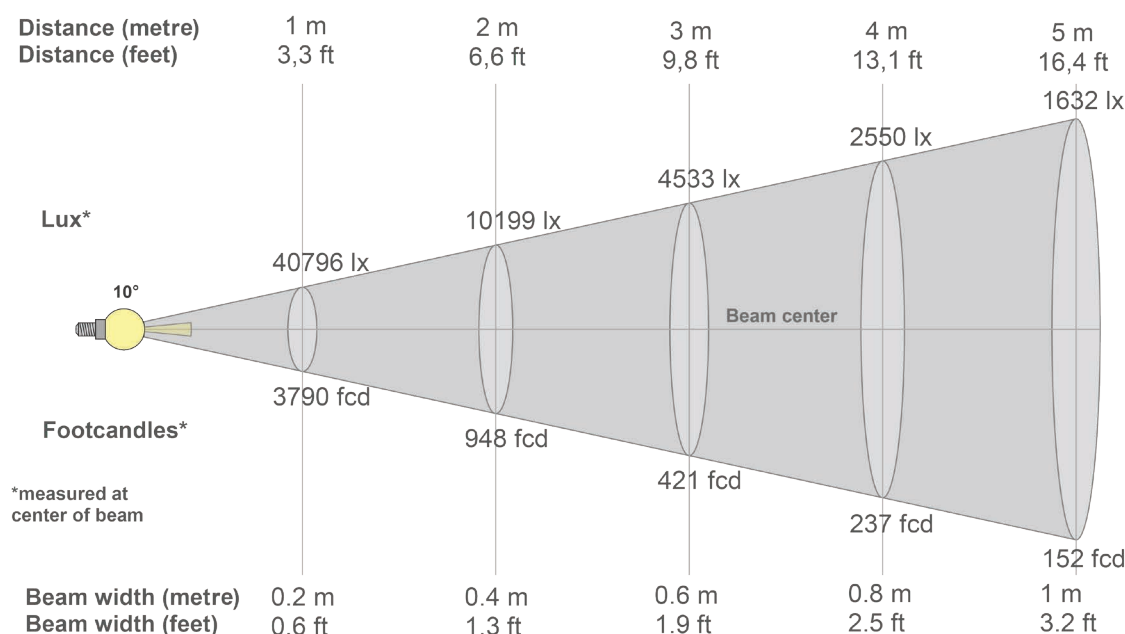


10x60° / 60x10° Elliptical Beam (With HBS)



LuxEOS Flood 9 - RGBA (1700K)

Intensities at Distance with native 10° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 40796lx | 10199lx | 4533lx | 2550lx | 1632lx | 1133lx | 833lx | 637lx | 504lx | 408lx | 337lx | 283lx | 241lx | 208lx | 181lx | 159lx | 141lx | 126lx | 113lx | 102lx |
| 3790.1fc | 947.5fc | 421.1fc | 236.9fc | 151.6fc | 105.3fc | 77.3fc | 59.2fc | 46.8fc | 37.9fc | 31.3fc | 26.3fc | 22.4fc | 19.3fc | 16.8fc | 14.8fc | 13.1fc | 11.7fc | 10.5fc | 9.5fc |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40.8K | 40.2K | 38.4K | 35.1K | 30.1K | 23.8K | 17.4K | 11.8K | 7.5K | 4.6K | 2.9K | 2.0K | 1.5K | 1.3K | 1.1K | 1.0K | 0.8K | 0.7K | 0.5K | 0.4K |
| 100% | 99% | 94% | 86% | 74% | 58% | 43% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40.8K | 40.2K | 38.4K | 35.1K | 30.1K | 23.8K | 17.4K | 11.8K | 7.5K | 4.6K | 2.9K | 2.0K | 1.5K | 1.3K | 1.1K | 1.0K | 0.8K | 0.7K | 0.5K | 0.4K |
| 100% | 99% | 94% | 86% | 74% | 58% | 43% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40.8K | 40.2K | 38.4K | 35.1K | 30.1K | 23.8K | 17.4K | 11.8K | 7.5K | 4.6K | 2.9K | 2.0K | 1.5K | 1.3K | 1.1K | 1.0K | 0.8K | 0.7K | 0.5K | 0.4K |
| 100% | 99% | 94% | 86% | 74% | 58% | 43% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40.8K | 40.2K | 38.4K | 35.1K | 30.1K | 23.8K | 17.4K | 11.8K | 7.5K | 4.6K | 2.9K | 2.0K | 1.5K | 1.3K | 1.1K | 1.0K | 0.8K | 0.7K | 0.5K | 0.4K |
| 100% | 99% | 94% | 86% | 74% | 58% | 43% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

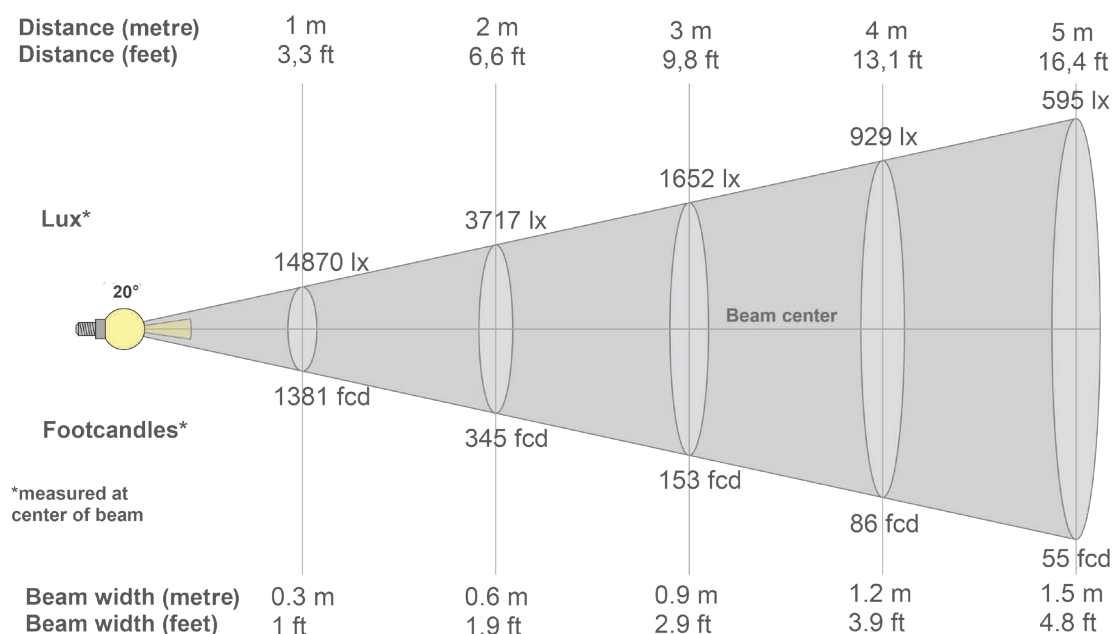
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 11° | 18.5° | 29.3° | 97.3% | 95.9% |

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1 Pembroke Avenue, Waterbeach, Cambridge, CB25 9QP
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LuxEOS Flood 9 - RGBA (1700K)

Intensities at Distance with 20° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 14870lx | 3717lx | 1652lx | 929lx | 595lx | 413lx | 303lx | 232lx | 184lx | 149lx | 123lx | 103lx | 88lx | 76lx | 66lx | 58lx | 51lx | 46lx | 41lx | 37lx |
| 1381.4fc | 345.4fc | 153.5fc | 86.3fc | 55.3fc | 38.4fc | 28.2fc | 21.6fc | 17.1fc | 13.8fc | 11.4fc | 9.6fc | 8.2fc | 7fc | 6.1fc | 5.4fc | 4.8fc | 4.3fc | 3.8fc | 3.5fc |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.9K | 14.7K | 14.3K | 13.6K | 12.6K | 11.5K | 10.3K | 9.1K | 7.9K | 6.7K | 5.6K | 4.7K | 3.9K | 3.1K | 2.5K | 2.1K | 1.7K | 1.3K | 1.1K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.9K | 14.7K | 14.3K | 13.6K | 12.6K | 11.5K | 10.3K | 9.1K | 7.9K | 6.7K | 5.6K | 4.7K | 3.9K | 3.1K | 2.5K | 2.1K | 1.7K | 1.3K | 1.1K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.9K | 14.7K | 14.3K | 13.6K | 12.6K | 11.5K | 10.3K | 9.1K | 7.9K | 6.7K | 5.6K | 4.7K | 3.9K | 3.1K | 2.5K | 2.1K | 1.7K | 1.3K | 1.1K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.9K | 14.7K | 14.3K | 13.6K | 12.6K | 11.5K | 10.3K | 9.1K | 7.9K | 6.7K | 5.6K | 4.7K | 3.9K | 3.1K | 2.5K | 2.1K | 1.7K | 1.3K | 1.1K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

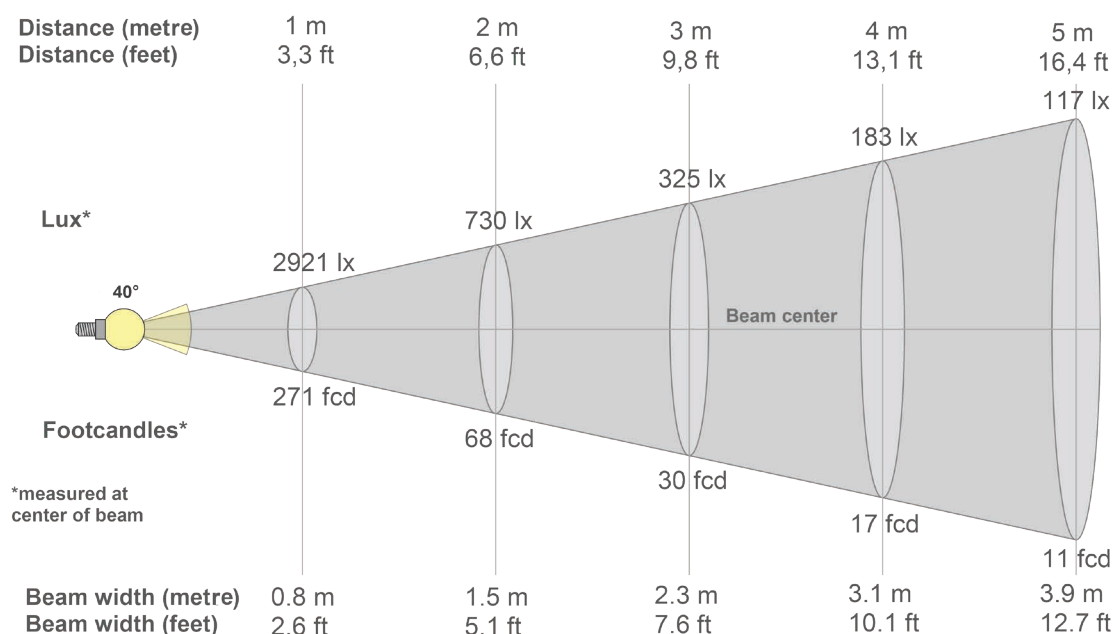
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 16.8° | 33.1° | 47.6° | 97.0% | 94.9% |

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LuxEOS Flood 9 - RGBA (1700K)

Intensities at Distance with 40° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 2921lx | 730lx | 325lx | 183lx | 117lx | 81lx | 60lx | 46lx | 36lx | 29lx | 24lx | 20lx | 17lx | 15lx | 13lx | 11lx | 10lx | 9lx | 8lx | 7lx |
| 271.4fcd | 67.8fcd | 30.2fcd | 17fcd | 10.9fcd | 7.5fcd | 5.5fcd | 4.2fcd | 3.4fcd | 2.7fcd | 2.2fcd | 1.9fcd | 1.6fcd | 1.4fcd | 1.2fcd | 1.1fcd | 0.9fcd | 0.8fcd | 0.8fcd | 0.7fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2921 | 2909 | 2869 | 2803 | 2708 | 2584 | 2431 | 2250 | 2046 | 1824 | 1593 | 1364 | 1148 | 953 | 786 | 647 | 533 | 440 | 364 | 301 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2921 | 2909 | 2869 | 2803 | 2708 | 2584 | 2431 | 2250 | 2046 | 1824 | 1593 | 1364 | 1148 | 953 | 786 | 647 | 533 | 440 | 364 | 301 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2921 | 2909 | 2869 | 2803 | 2708 | 2584 | 2431 | 2250 | 2046 | 1824 | 1593 | 1364 | 1148 | 953 | 786 | 647 | 533 | 440 | 364 | 301 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2921 | 2909 | 2869 | 2803 | 2708 | 2584 | 2431 | 2250 | 2046 | 1824 | 1593 | 1364 | 1148 | 953 | 786 | 647 | 533 | 440 | 364 | 301 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

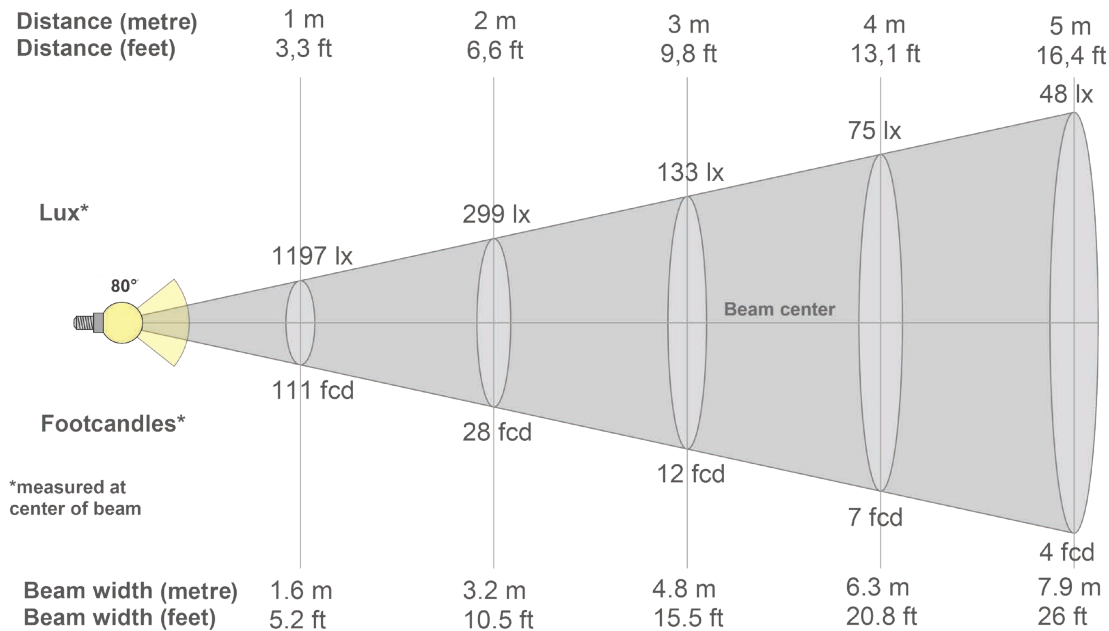
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 42.3° | 76.6° | 105.5° | 96.7% | 90.9% |

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LuxEOS Flood 9 - RGBA (1700K)

Intensities at Distance with 80° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 1197lx | 299lx | 133lx | 75lx | 48lx | 33lx | 24lx | 19lx | 15lx | 12lx | 10lx | 8lx | 7lx | 6lx | 5lx | 5lx | 4lx | 4lx | 3lx | 3lx |
| 111.2fcd | 27.8fcd | 12.4fcd | 7fcd | 4.4fcd | 3.1fcd | 2.3fcd | 1.7fcd | 1.4fcd | 1.1fcd | 0.9fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.3fcd |

Intensities in 0° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1197 | 1158 | 1103 | 1092 | 1080 | 1029 | 913 | 733 | 537 | 359 | 216 | 125 | 75 | 47 | 31 | 19 | 9 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

Intensities in 90° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1197 | 1158 | 1103 | 1092 | 1080 | 1029 | 913 | 733 | 537 | 359 | 216 | 125 | 75 | 47 | 31 | 19 | 9 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

Intensities in 180° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1197 | 1158 | 1103 | 1092 | 1080 | 1029 | 913 | 733 | 537 | 359 | 216 | 125 | 75 | 47 | 31 | 19 | 9 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

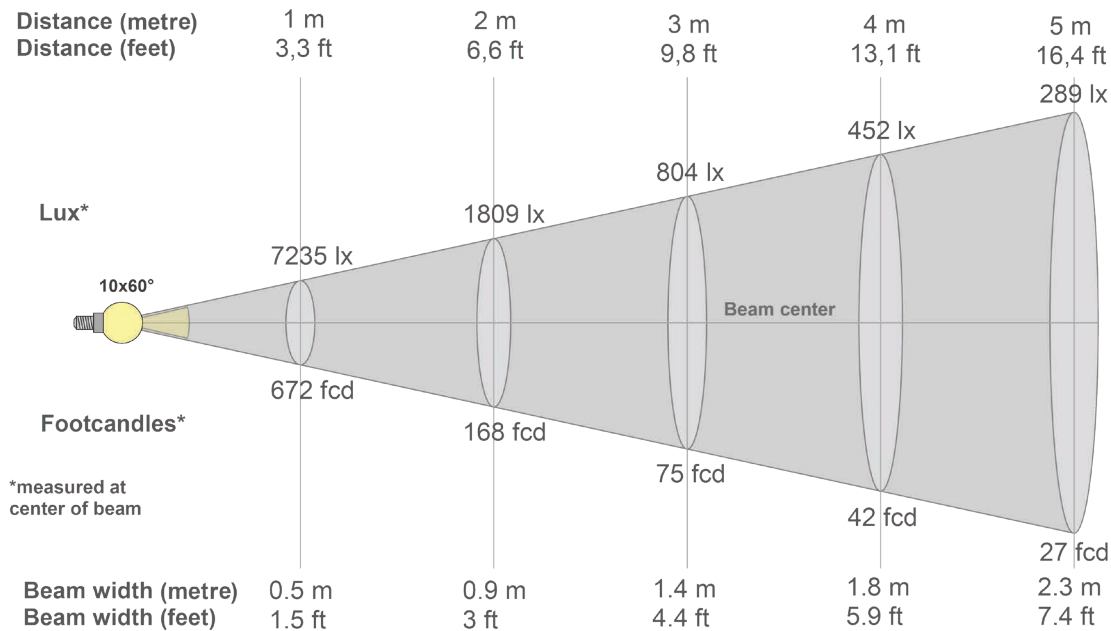
Intensities in 270° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1197 | 1158 | 1103 | 1092 | 1080 | 1029 | 913 | 733 | 537 | 359 | 216 | 125 | 75 | 47 | 31 | 19 | 9 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 76.8° | 110.8° | 140.5° | 95.0% | 82.4% |

LuxEOS Flood 9 - RGBA (1700K)

Intensities at Distance with 10x60° & 60x10° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 7235lx | 1809lx | 804lx | 452lx | 289lx | 201lx | 148lx | 113lx | 89lx | 72lx | 60lx | 50lx | 43lx | 37lx | 32lx | 28lx | 25lx | 22lx | 20lx | 18lx |
| 672.1fc | 168fc | 74.7fc | 42fc | 26.9fc | 18.7fc | 13.7fc | 10.5fc | 8.3fc | 6.7fc | 5.6fc | 4.7fc | 4fc | 3.4fc | 3fc | 2.6fc | 2.3fc | 2.1fc | 1.9fc | 1.7fc |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7235 | 6785 | 6733 | 6653 | 6554 | 6442 | 6311 | 6153 | 5955 | 5699 | 5379 | 4986 | 4518 | 3996 | 3452 | 2911 | 2395 | 1919 | 1498 | 1142 |
| 100% | 94% | 93% | 92% | 91% | 89% | 87% | 85% | 82% | 79% | 74% | 69% | 62% | 55% | 48% | 40% | 33% | 27% | 21% | 16% |

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° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7235 | 7154 | 5300 | 3189 | 1722 | 1011 | 687 | 488 | 343 | 246 | 183 | 143 | 114 | 92 | 77 | 66 | 56 | 49 | 43 | 38 |
| 100% | 99% | 73% | 44% | 24% | 14% | 9% | 7% | 5% | 3% | 3% | 2% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7235 | 6785 | 6733 | 6653 | 6554 | 6442 | 6311 | 6153 | 5955 | 5699 | 5379 | 4986 | 4518 | 3996 | 3452 | 2911 | 2395 | 1919 | 1498 | 1142 |
| 100% | 94% | 93% | 92% | 91% | 89% | 87% | 85% | 82% | 79% | 74% | 69% | 62% | 55% | 48% | 40% | 33% | 27% | 21% | 16% |

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° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7235 | 7154 | 5300 | 3189 | 1722 | 1011 | 687 | 488 | 343 | 246 | 183 | 143 | 114 | 92 | 77 | 66 | 56 | 49 | 43 | 38 |
| 100% | 99% | 73% | 44% | 24% | 14% | 9% | 7% | 5% | 3% | 3% | 2% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |

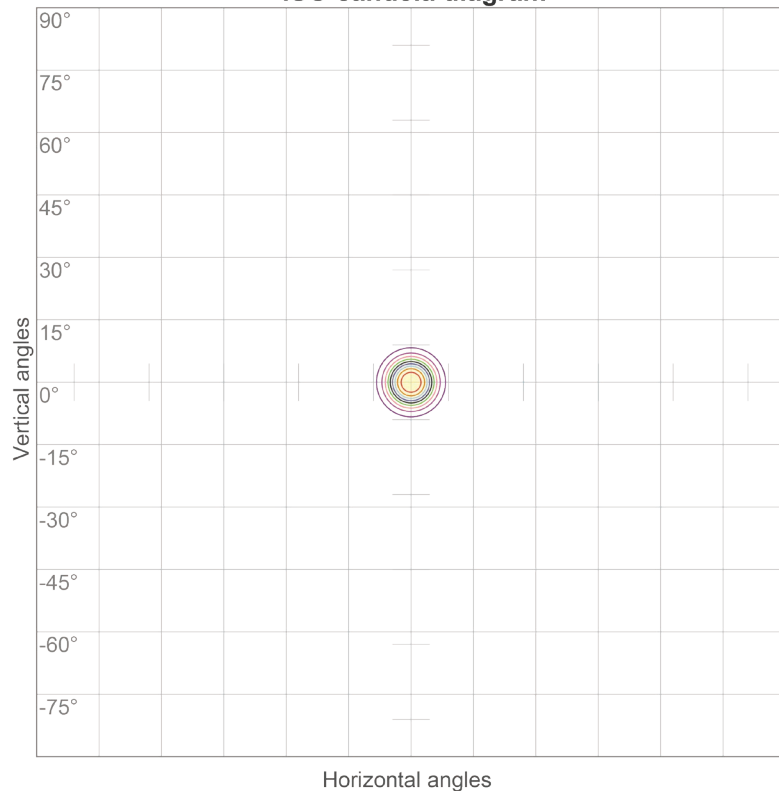
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 25.5° | 45.7° | 66.1° | 97.5% | 94.0% |

LuxEOS Flood 9 - RGBA (1700K)

ISO Candela & ISO Lux diagrams with 10° Optics



ISO candela diagram



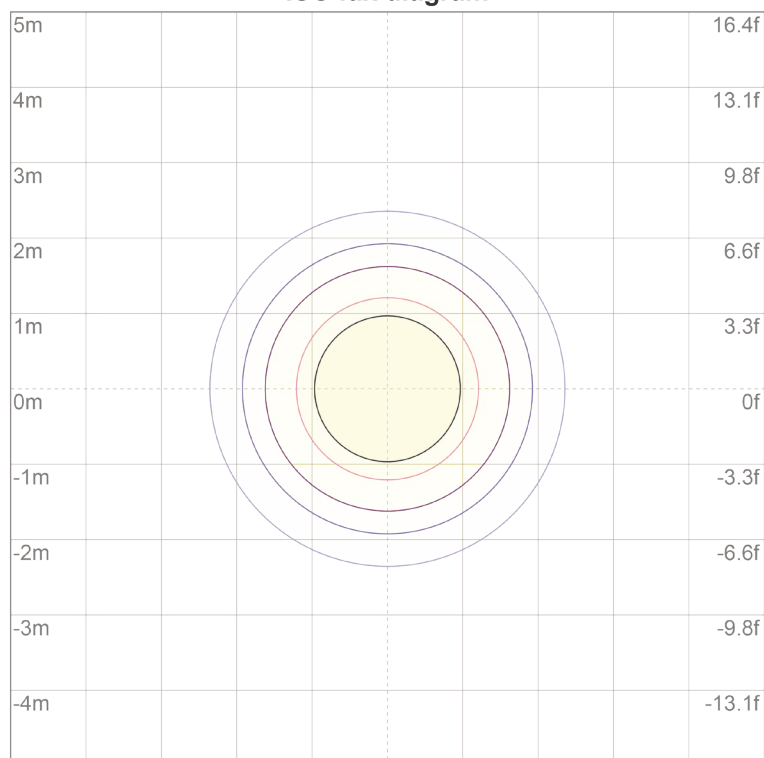
| | |
|-----|----------|
| 10% | 4080 cd |
| 20% | 8159 cd |
| 30% | 12239 cd |
| 40% | 16319 cd |
| 50% | 20398 cd |
| 60% | 24478 cd |
| 70% | 28557 cd |
| 80% | 32637 cd |
| 90% | 36717 cd |

Conditions:

Number of c-planes: 72

Candela at center: 40796 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 12.2 lx |
| 5% | 20.4 lx |
| 10% | 40.8 lx |
| 30% | 122 lx |
| 50% | 204 lx |

Conditions:

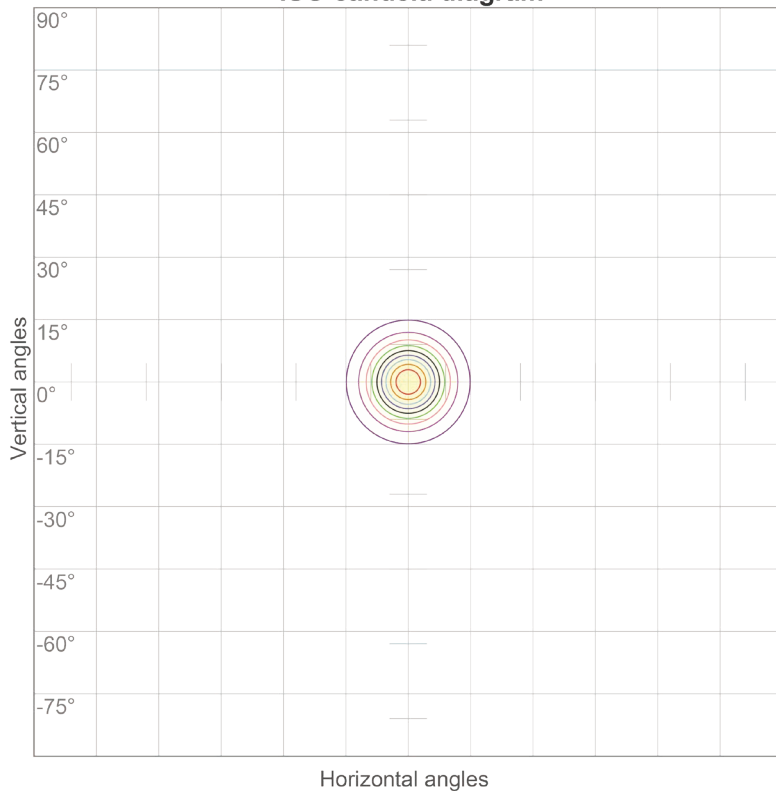
Number of c-planes: 72

Lux at center: 408 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*



ISO candela diagram



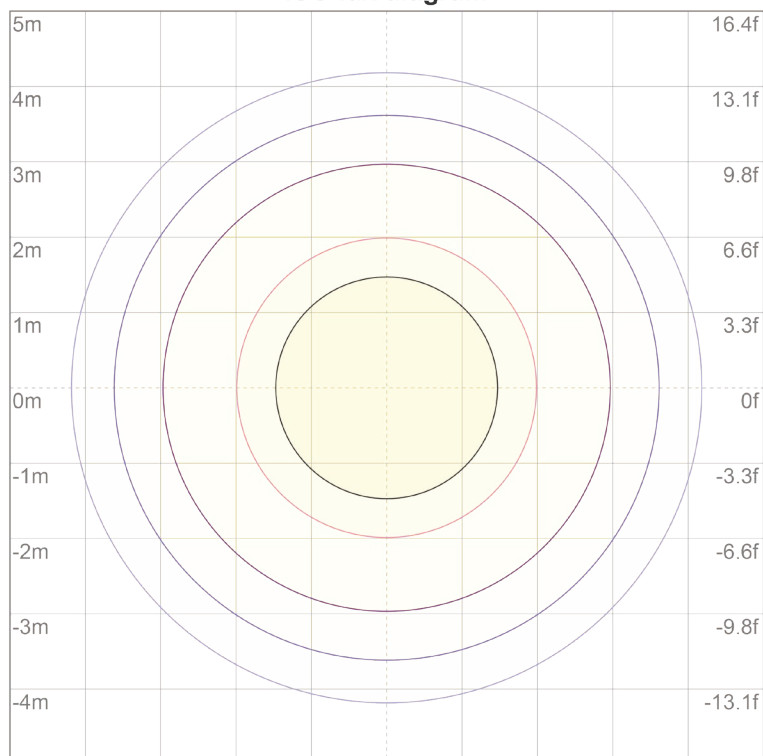
| | |
|-----|----------|
| 10% | 1487 cd |
| 20% | 2974 cd |
| 30% | 4461 cd |
| 40% | 5948 cd |
| 50% | 7435 cd |
| 60% | 8922 cd |
| 70% | 10409 cd |
| 80% | 11896 cd |
| 90% | 13383 cd |

Conditions:

Number of c-planes: 72

Candela at center: 14870 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 4.46 lx |
| 5% | 7.43 lx |
| 10% | 14.9 lx |
| 30% | 44.6 lx |
| 50% | 74.3 lx |

Conditions:

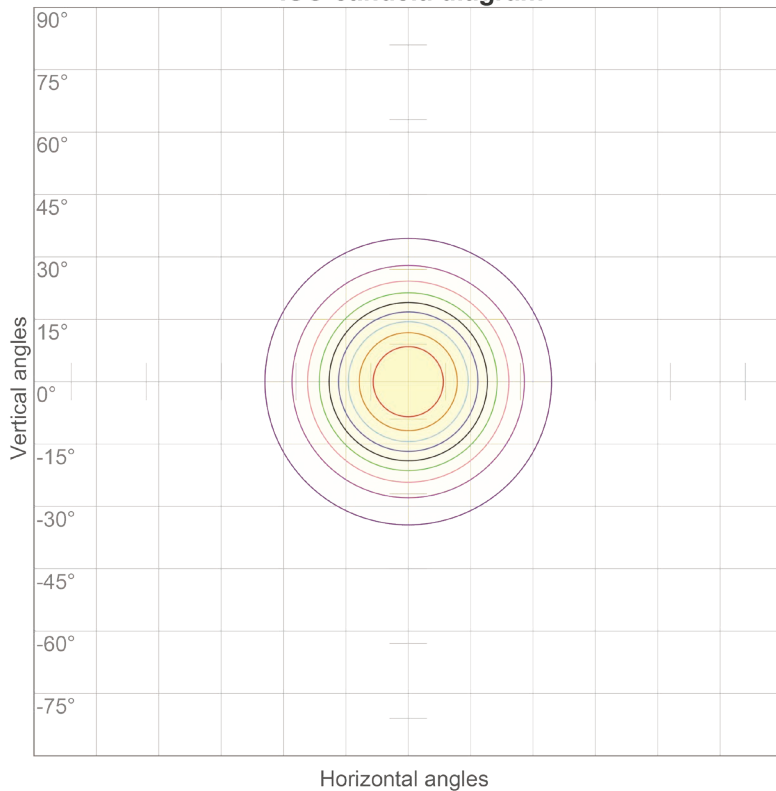
Number of c-planes: 72

Lux at center: 149 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*



ISO candela diagram



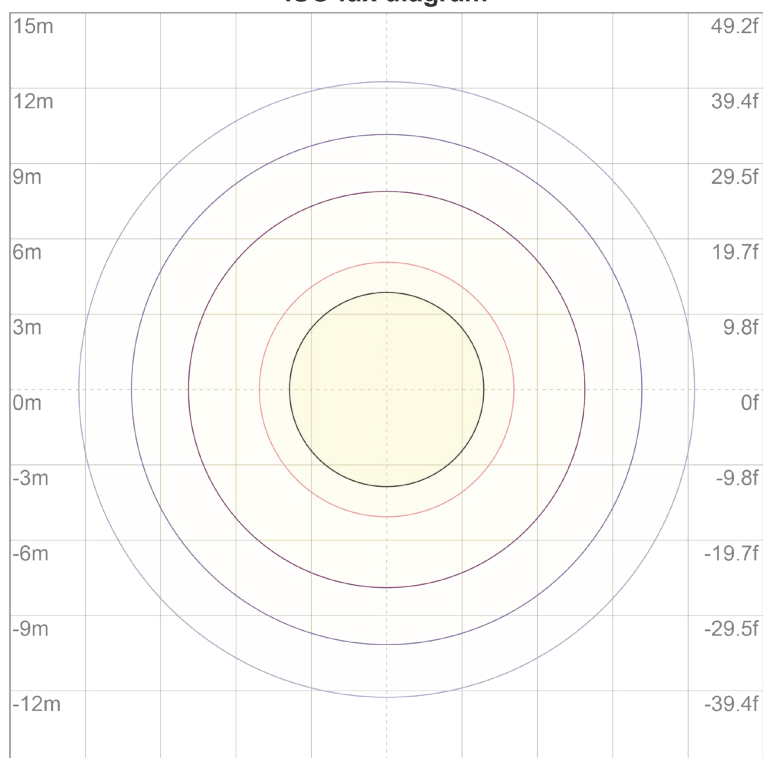
| | |
|-----|---------|
| 10% | 292 cd |
| 20% | 584 cd |
| 30% | 876 cd |
| 40% | 1168 cd |
| 50% | 1461 cd |
| 60% | 1753 cd |
| 70% | 2045 cd |
| 80% | 2337 cd |
| 90% | 2629 cd |

Conditions:

Number of c-planes: 72

Candela at center: 2921 cd

ISO lux diagram



| | |
|-----|----------|
| 3% | 0.876 lx |
| 5% | 1.46 lx |
| 10% | 2.92 lx |
| 30% | 8.76 lx |
| 50% | 14.6 lx |

Conditions:

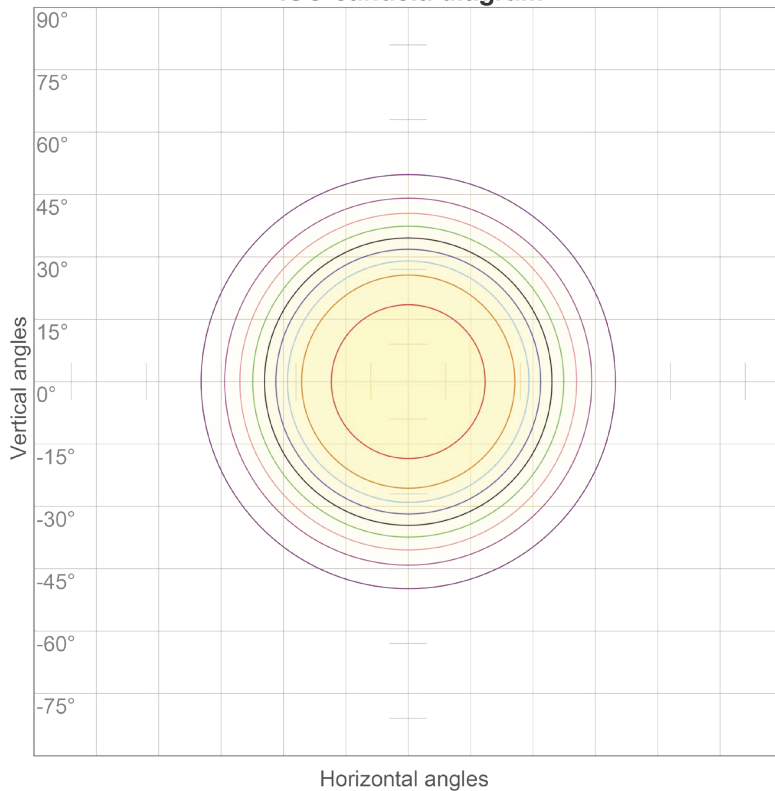
Number of c-planes: 72

Lux at center: 29.2 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*



ISO candela diagram



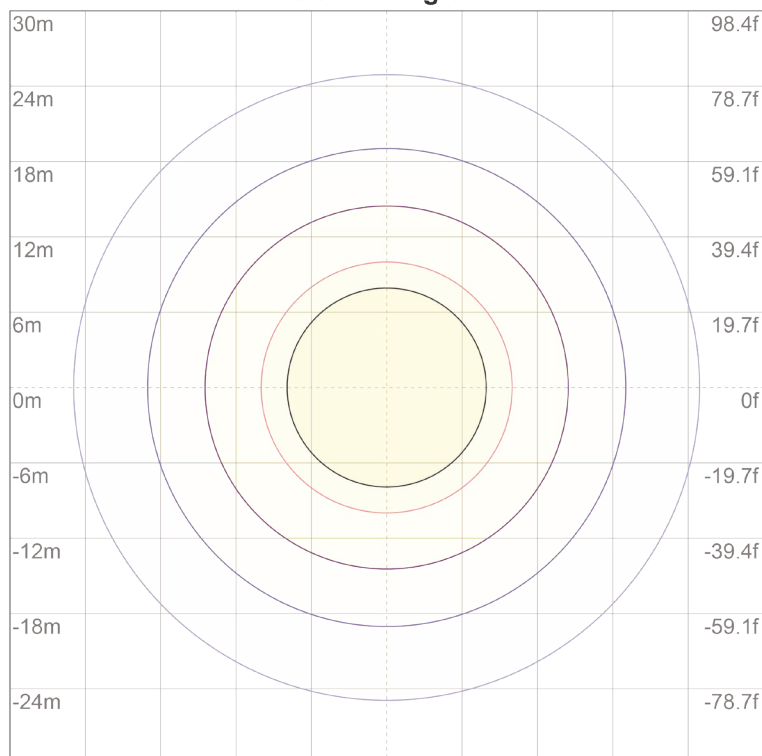
| | |
|-----|---------|
| 10% | 120 cd |
| 20% | 239 cd |
| 30% | 359 cd |
| 40% | 479 cd |
| 50% | 599 cd |
| 60% | 718 cd |
| 70% | 838 cd |
| 80% | 958 cd |
| 90% | 1078 cd |

Conditions:

Number of c-planes: 72

Candela at center: 1197 cd

ISO lux diagram



| | |
|-----|----------|
| 3% | 0.359 lx |
| 5% | 0.599 lx |
| 10% | 1.20 lx |
| 30% | 3.59 lx |
| 50% | 5.99 lx |

Conditions:

Number of c-planes: 72

Lux at center: 12.0 lx

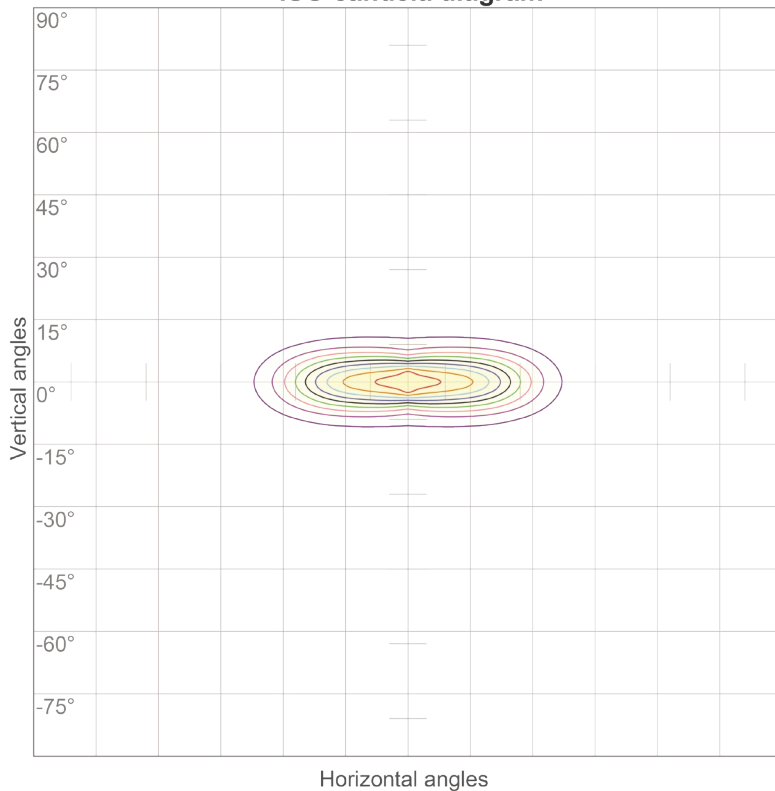
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

LuxEOS Flood 9 - RGBA (1700K)

ISO Candela & ISO Lux diagrams with 10x60° & 60x10° Optics



ISO candela diagram



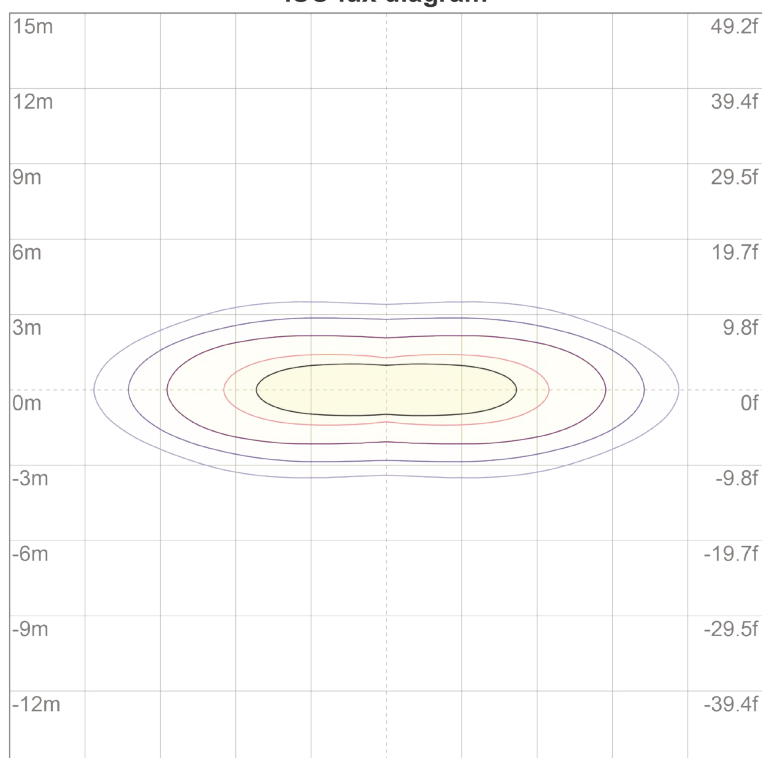
| | |
|-----|---------|
| 10% | 723 cd |
| 20% | 1447 cd |
| 30% | 2170 cd |
| 40% | 2894 cd |
| 50% | 3617 cd |
| 60% | 4341 cd |
| 70% | 5064 cd |
| 80% | 5788 cd |
| 90% | 6511 cd |

Conditions:

Number of c-planes: 72

Candela at center: 7235 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 2.17 lx |
| 5% | 3.62 lx |
| 10% | 7.23 lx |
| 30% | 21.7 lx |
| 50% | 36.2 lx |

Conditions:

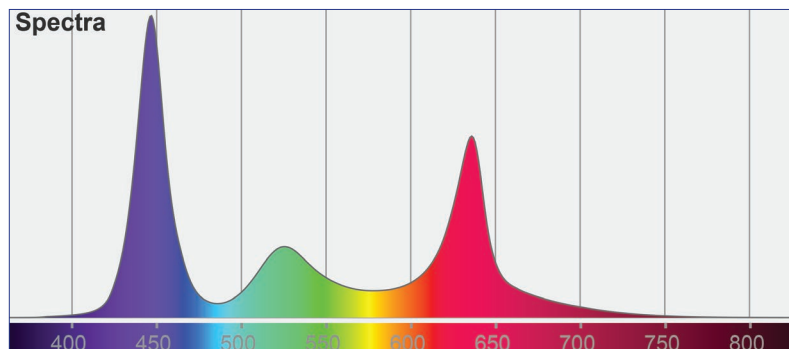
Number of c-planes: 72

Lux at center: 72.3 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

LuxEOS Flood 9 - RGBA (1700K)

Colormetrics **RGBA**



Total Lumen Output (Native) : 1937 lm

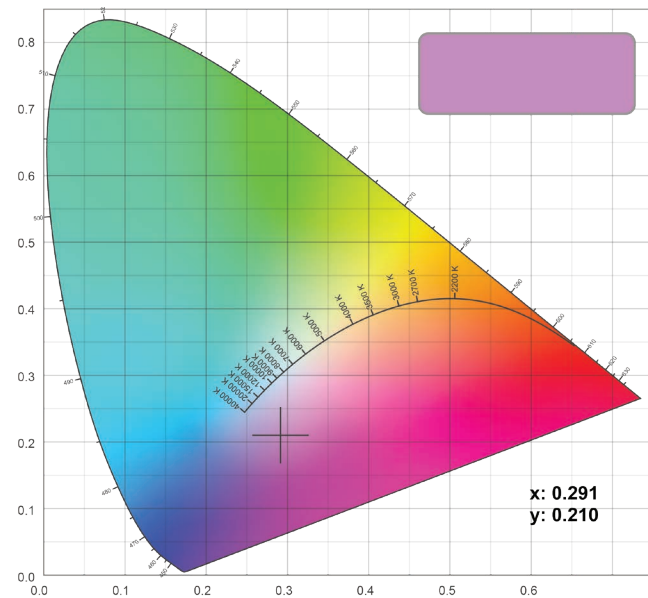
Efficacy : 32.3 lm/W

Voltage : 240V

Supply Power : 60W

Supply Power Factor : 0.96

CIE 1931

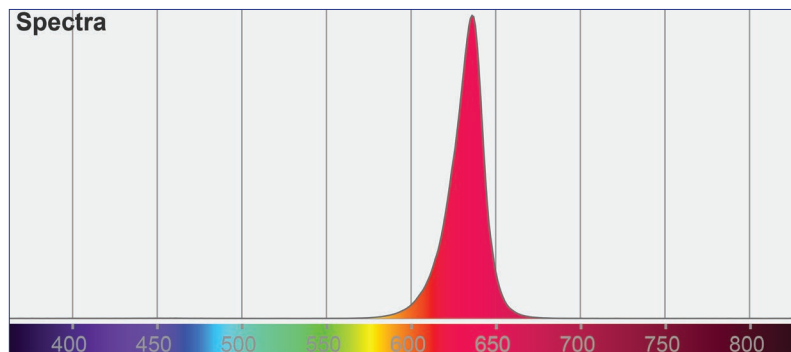


CIE 1931 Zoom



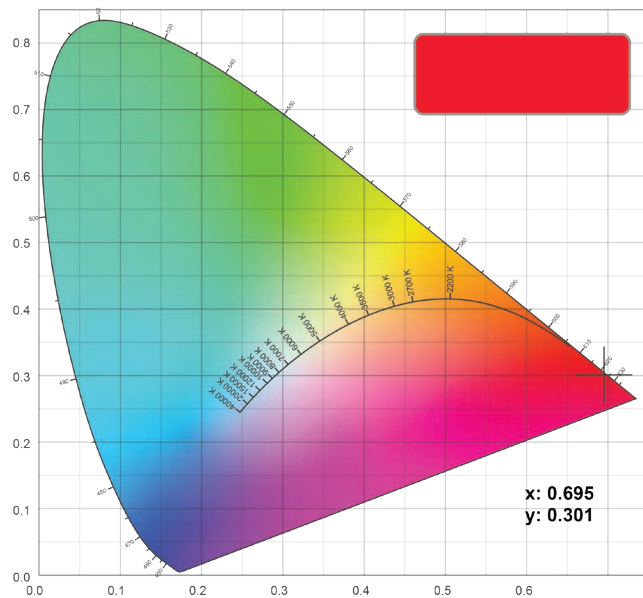
LuxEOS Flood 9 - RGBA (1700K)

Colormetrics **RED**

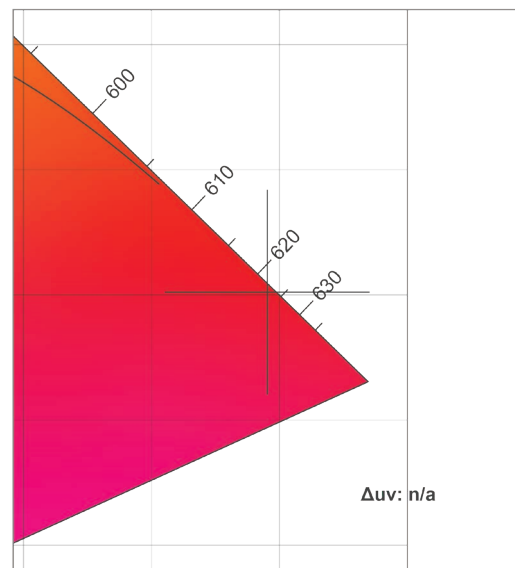


Red Lumen Output : 527 lm

CIE 1931

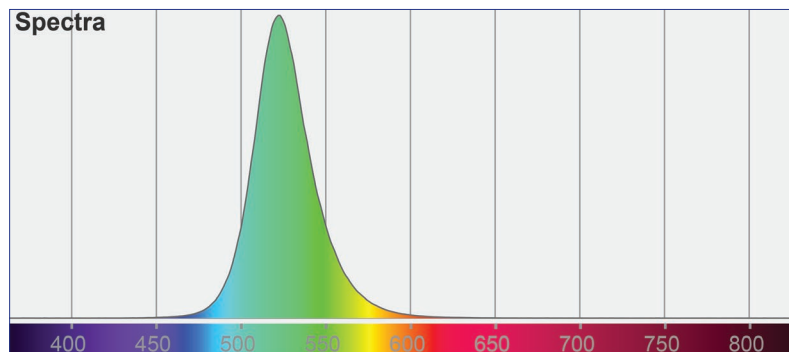


CIE 1931 Zoom



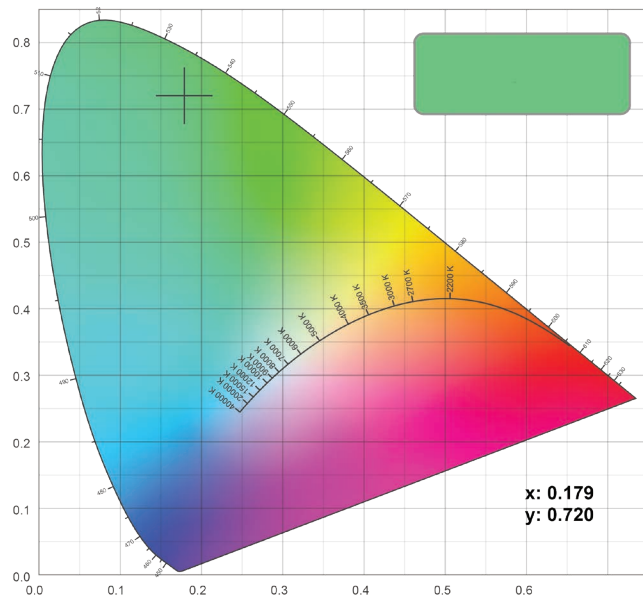
LuxEOS Flood 9 - RGBA (1700K)

Colormetrics **GREEN**

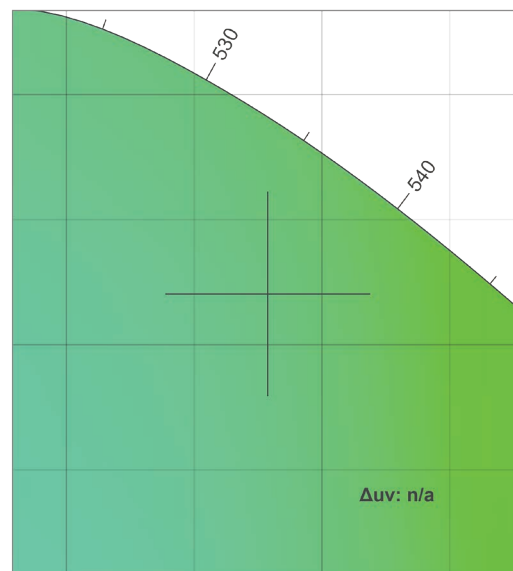


Green Lumen Output : 809 lm

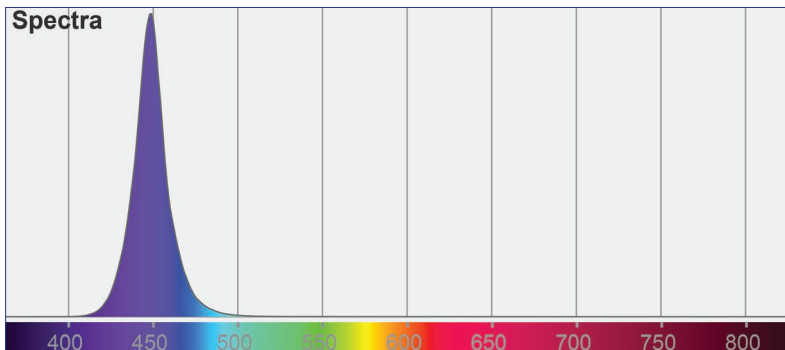
CIE 1931



CIE 1931 Zoom

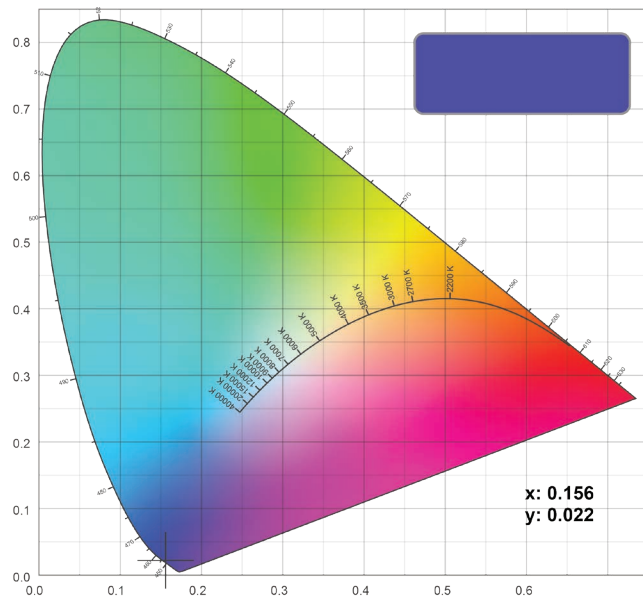


LuxEOS Flood 9 - RGBA (1700K) Colormetrics **BLUE**

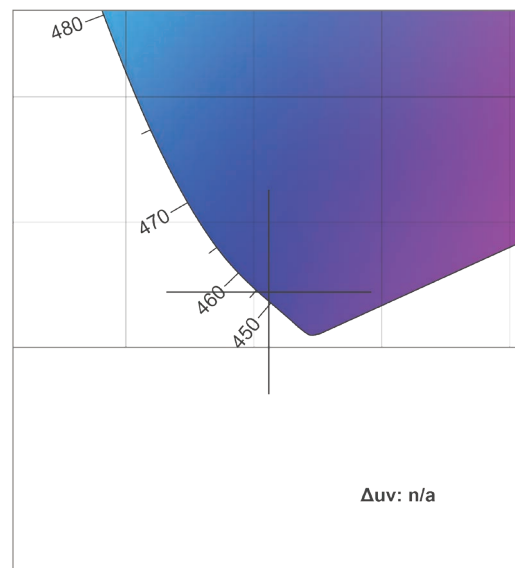


Blue Lumen Output : 178 lm

CIE 1931

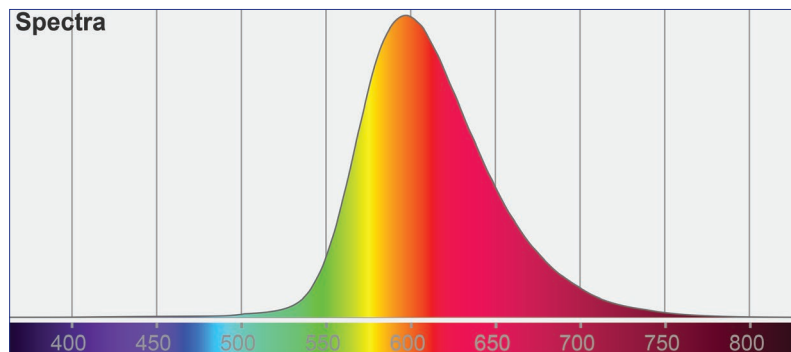


CIE 1931 Zoom



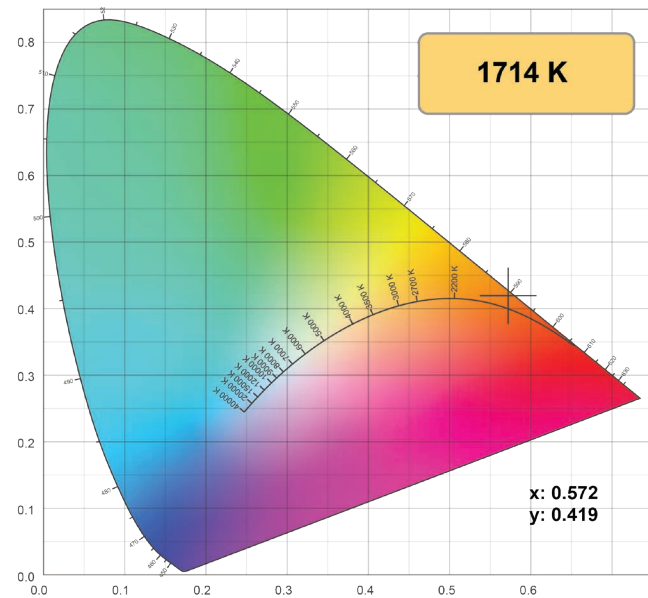
LuxEOS Flood 9 - RGBA (1700K)

Colormetrics **AMBER 1700K**

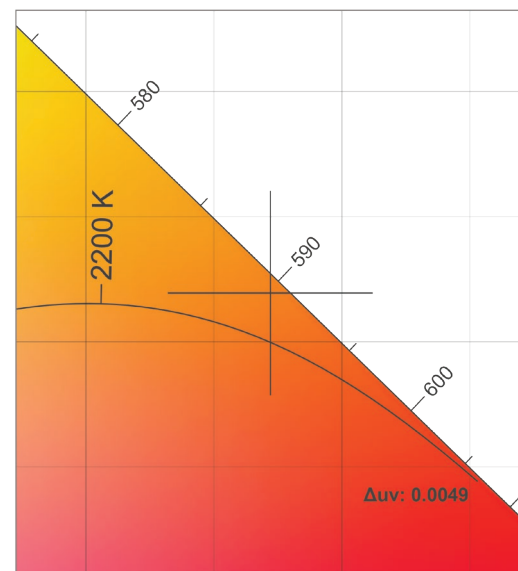


Amber 1700K Lumen Output : 984 lm

CIE 1931



CIE 1931 Zoom



Should further photometric variations be required, please contact our Head Office.

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PULSAR

1 Pembroke Avenue, Waterbeach, Cambridge, CB25 9QP
www.pulsarlight.com | sales@pulsarlight.com | +44 (0) 1223 403 500