

## Light efficiency:

73 Lumen/Watt

Output: 1623 lm

## Light quality:

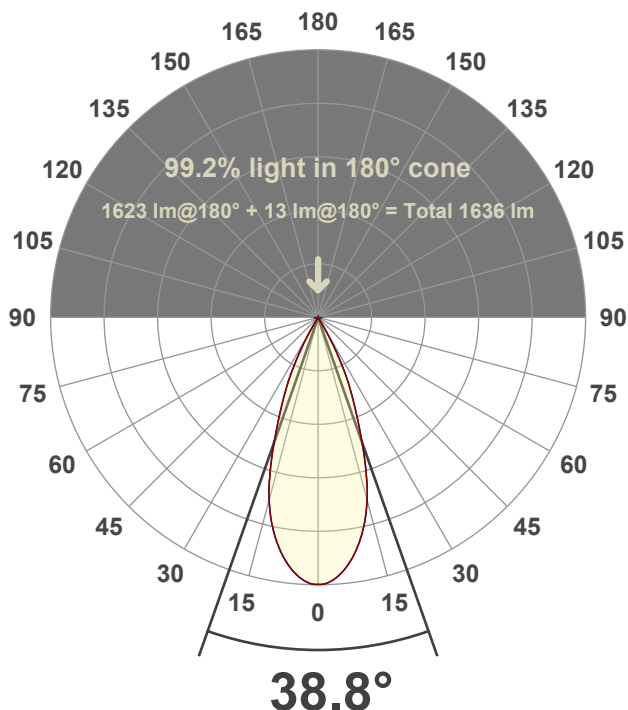
CRI: 91.3

Peak: 3933 cd

Power: 22.1 W



## Beam angle



Test number:

GR-RD-AD20-2722-FL

Luminaire Model:

Graffiti Regress Round Downlight-AD20-2722-Flood

Date and time:

2/17/2026 1:39:17 PM

LUM: 1623

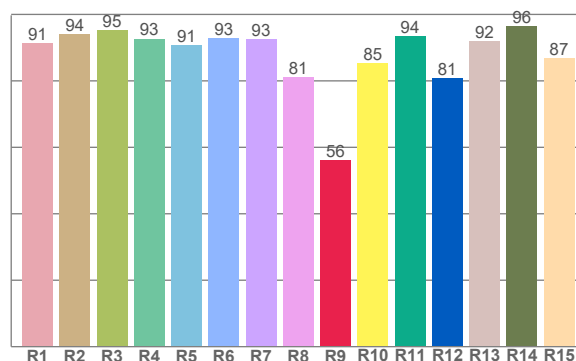
2704 K

\*Variation due to source size, bezel geometry, or secondary optics

## Spectra



## CRI: 91.3 (R1-R8)



## Color parameters

|  | 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 |
|--|-----------------------|---------------|---------------------|---------------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
|  | CRI                   | CRI R9        | TM30 R <sub>f</sub> | TM30 R <sub>g</sub> | CQS                 | x                         | y                         | u                | v                | Δuv                             |
|  | 91.3                  | 56.1          | 91.1                | 100.4               | 89.4                | 0.462                     | 0.415                     | 0.262            | 0.353            | 0.0013                          |

**$R_f$  91.1**

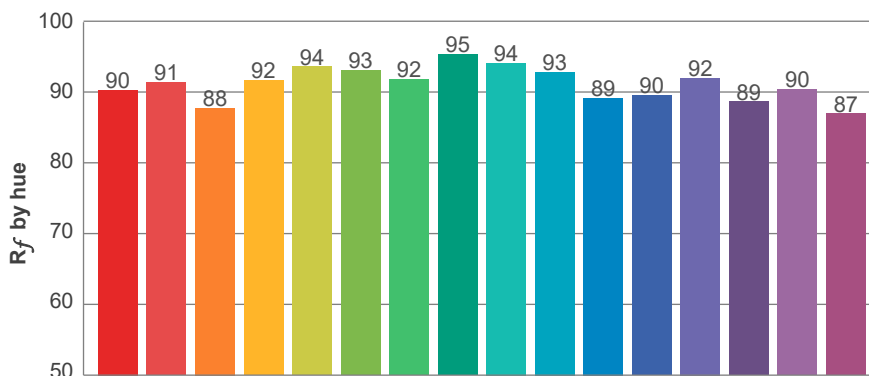
Fidelity index  $R_f$

**$R_g$  100.4**

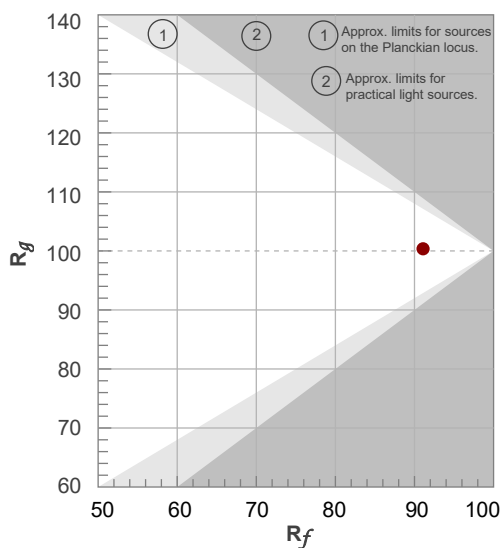
Gammut index  $R_g$

TM30: 91.1

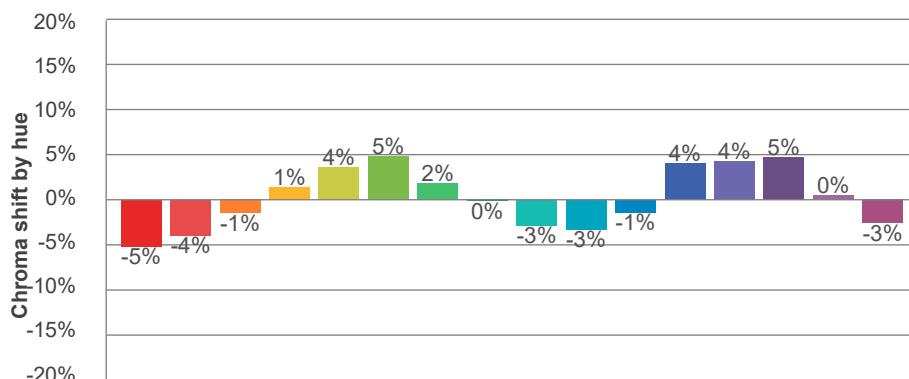
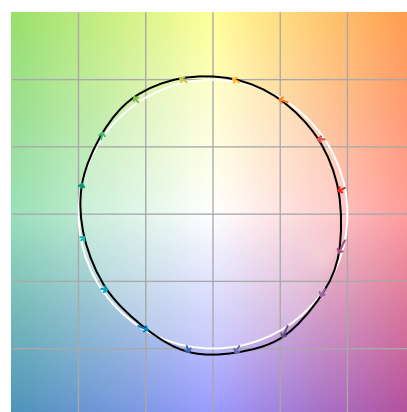
TM-30Color



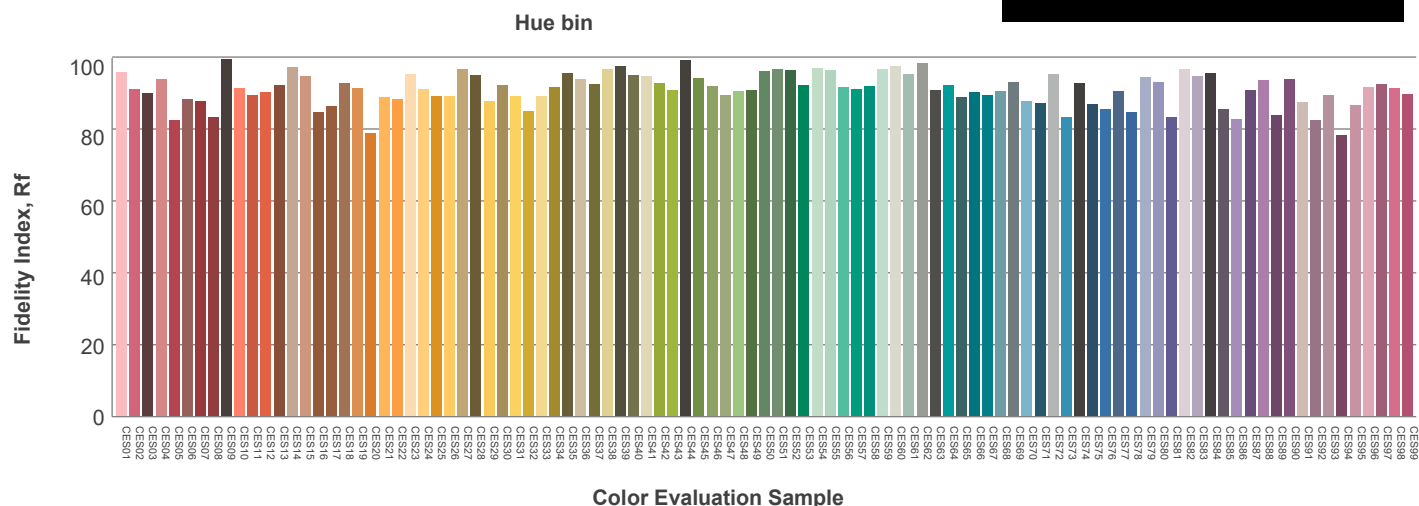
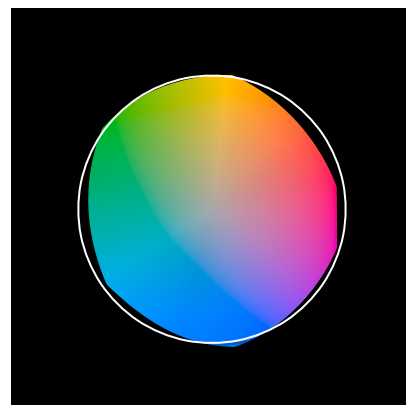
| Hue Bin | $R_f$ | Graphic shifts (%) |      |
|---------|-------|--------------------|------|
|         |       | Chroma             | Hue  |
| 1       | 90    | -5%                | -1%  |
| 2       | 91    | -4%                | 3%   |
| 3       | 88    | -1%                | 6%   |
| 4       | 92    | 1%                 | 5%   |
| 5       | 94    | 4%                 | 4%   |
| 6       | 93    | 5%                 | 1%   |
| 7       | 92    | 2%                 | -5%  |
| 8       | 95    | 0%                 | -3%  |
| 9       | 94    | -3%                | -2%  |
| 10      | 93    | -3%                | 3%   |
| 11      | 89    | -1%                | 7%   |
| 12      | 90    | 4%                 | 2%   |
| 13      | 92    | 4%                 | -4%  |
| 14      | 89    | 5%                 | -8%  |
| 15      | 90    | 0%                 | -6%  |
| 16      | 87    | -3%                | -10% |



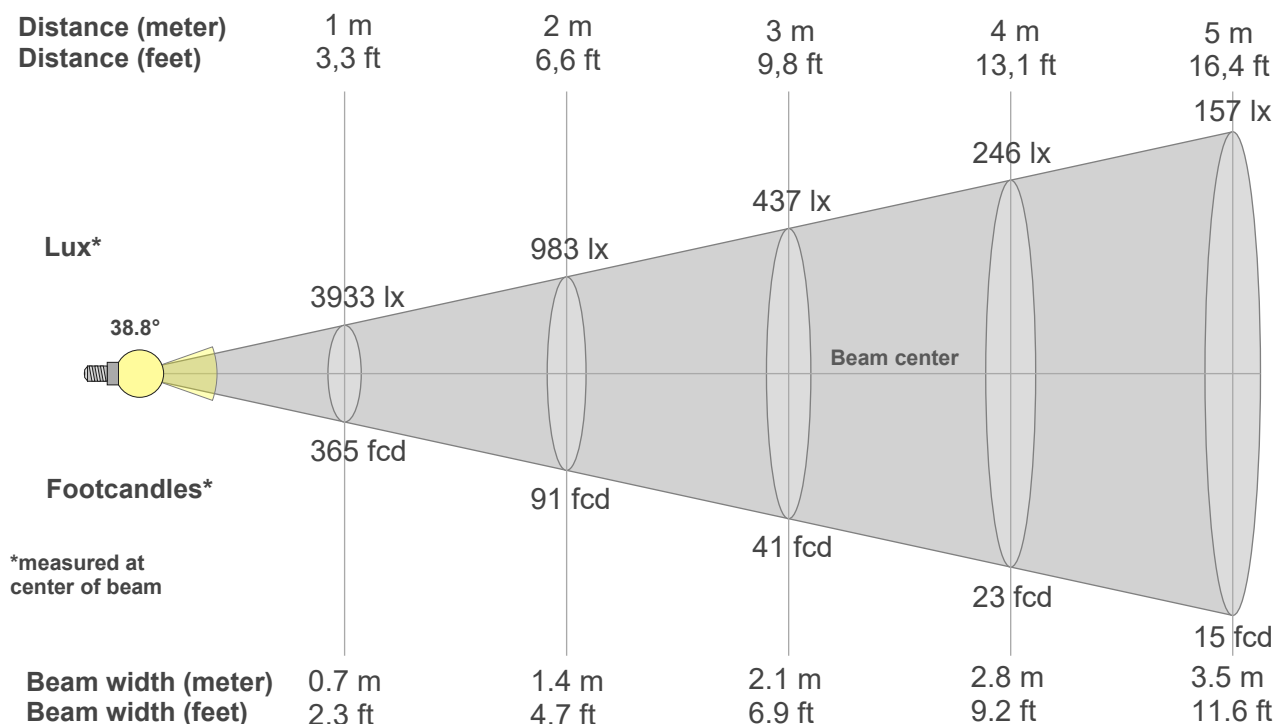
Color vector graphics



Color distortion



## Beam details



### 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 |
| 3933lx   | 983lx   | 437lx   | 246lx   | 157lx   | 109lx   | 80lx   | 61lx   | 49lx   | 39lx   | 33lx   | 27lx   | 23lx   | 20lx   | 17lx   | 15lx   | 14lx   | 12lx   | 11lx   | 10lx   |
| 365.4fcd | 91.3fcd | 40.6fcd | 22.8fcd | 14.6fcd | 10.1fcd | 7.5fcd | 5.7fcd | 4.5fcd | 3.7fcd | 3fcd   | 2.5fcd | 2.2fcd | 1.9fcd | 1.6fcd | 1.4fcd | 1.3fcd | 1.1fcd | 1fcd   | 0.9fcd |

### 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 3933 | 3915 | 3848 | 3737 | 3589 | 3408 | 3192 | 2937 | 2633 | 2246 | 1849 | 1496 | 1187 | 897 | 592 | 323 | 131 | 40  | 16  | 12  |
| 100% | 100% | 98%  | 95%  | 91%  | 87%  | 81%  | 75%  | 67%  | 57%  | 47%  | 38%  | 30%  | 23% | 15% | 8%  | 3%  | 1%  | 0%  | 0%  |

### 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 3933 | 3915 | 3848 | 3737 | 3589 | 3408 | 3192 | 2937 | 2633 | 2246 | 1849 | 1496 | 1187 | 897 | 592 | 323 | 131 | 40  | 16  | 12  |
| 100% | 100% | 98%  | 95%  | 91%  | 87%  | 81%  | 75%  | 67%  | 57%  | 47%  | 38%  | 30%  | 23% | 15% | 8%  | 3%  | 1%  | 0%  | 0%  |

### 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 3933 | 3915 | 3848 | 3737 | 3589 | 3408 | 3192 | 2937 | 2633 | 2246 | 1849 | 1496 | 1187 | 897 | 592 | 323 | 131 | 40  | 16  | 12  |
| 100% | 100% | 98%  | 95%  | 91%  | 87%  | 81%  | 75%  | 67%  | 57%  | 47%  | 38%  | 30%  | 23% | 15% | 8%  | 3%  | 1%  | 0%  | 0%  |

### Intensities in 270° c-plane

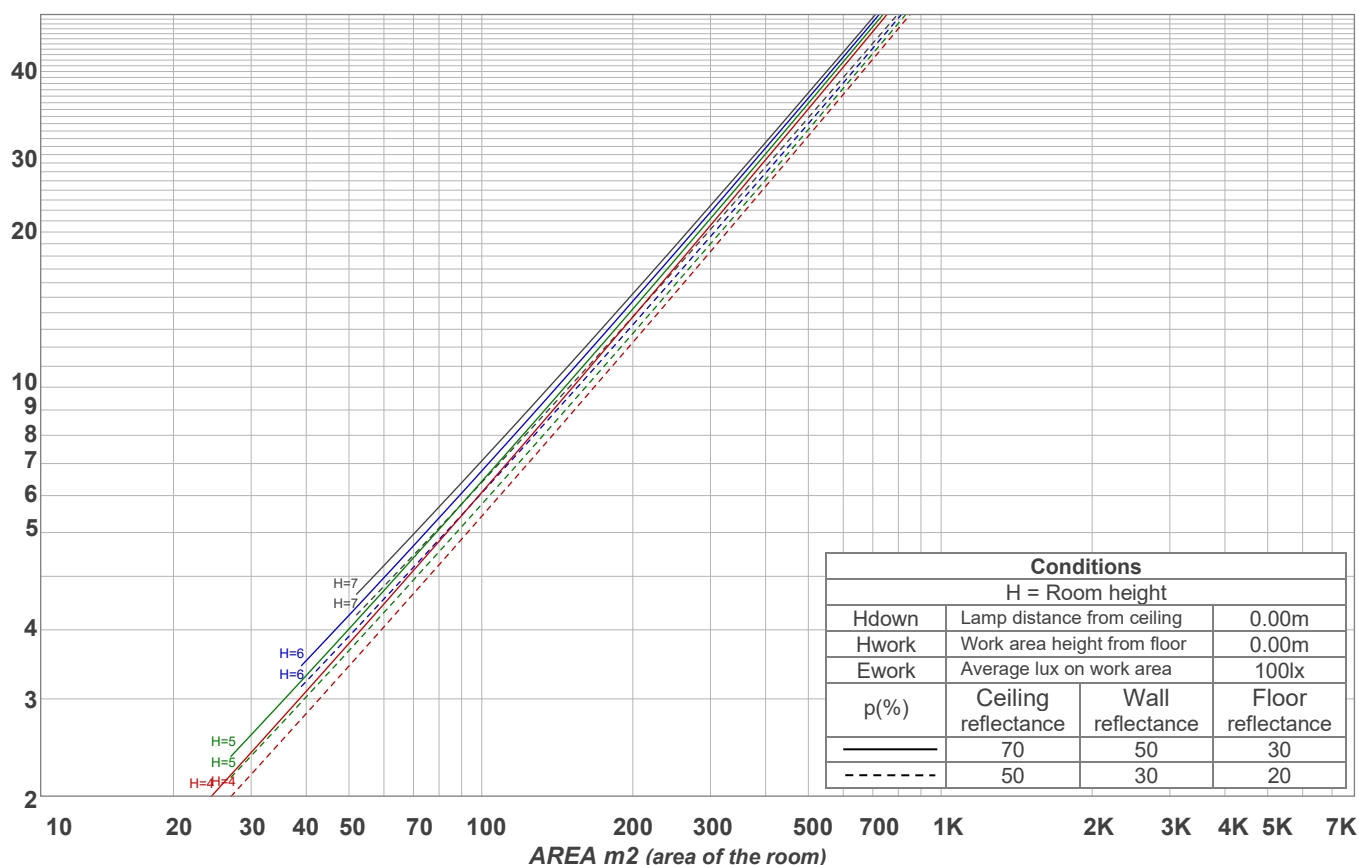
| 0°   | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 3933 | 3915 | 3848 | 3737 | 3589 | 3408 | 3192 | 2937 | 2633 | 2246 | 1849 | 1496 | 1187 | 897 | 592 | 323 | 131 | 40  | 16  | 12  |
| 100% | 100% | 98%  | 95%  | 91%  | 87%  | 81%  | 75%  | 67%  | 57%  | 47%  | 38%  | 30%  | 23% | 15% | 8%  | 3%  | 1%  | 0%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 38.8°          | 58.9°           | 64.7°             | 99.4%                        | 98.9%                       |

**LAMPS (number of lamps)**
**50**

## Light planning

### Luminaire budgetary diagram



### Luminaire budgetary diagram

AREA m2 (area of the room)

### Coefficients of Utilization

| Ceiling reflectance | 80                                                                                                       |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|---------------------|----------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Wall reflectance    | 70                                                                                                       | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| Floor reflectance   | 20                                                                                                       | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 0   |
| RCR                 | (RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0                   | 119                                                                                                      | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1                   | 115                                                                                                      | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  |
| 2                   | 110                                                                                                      | 106 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 99  | 97  | 99  | 97  | 95  | 96  | 94  | 93  | 91  |
| 3                   | 106                                                                                                      | 101 | 97  | 94  | 104 | 100 | 96  | 93  | 97  | 94  | 92  | 95  | 92  | 90  | 93  | 91  | 89  | 88  |
| 4                   | 102                                                                                                      | 96  | 92  | 89  | 101 | 95  | 91  | 88  | 93  | 90  | 87  | 91  | 89  | 86  | 90  | 87  | 85  | 84  |
| 5                   | 99                                                                                                       | 92  | 88  | 84  | 97  | 91  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 81  |
| 6                   | 95                                                                                                       | 88  | 84  | 80  | 94  | 88  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 77  |
| 7                   | 92                                                                                                       | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 74  |
| 8                   | 89                                                                                                       | 82  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 76  | 73  | 78  | 75  | 73  | 72  |
| 9                   | 86                                                                                                       | 79  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 76  | 72  | 70  | 69  |
| 10                  | 83                                                                                                       | 76  | 71  | 68  | 82  | 75  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 73  | 70  | 68  | 67  |

### Zonal Lumen Summary

| 0°-10° | 10°-20° | 20°-30° | 30°-40° | 40°-50° | 50°-60° | 60°-70° | 70°-80° | 80°-90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 351 lm | 750 lm  | 462 lm  | 38.9 lm | 6.43 lm | 4.81 lm | 4.18 lm | 3.04 lm | 3.08 lm |

| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.000 lm | 0.000 lm  | 0.000 lm  | 0.000 lm  | 0.000 lm  | 0.000 lm  | 0.000 lm  | 0.000 lm  | 0.000 lm  |

[www.specialty-lighting.com](http://www.specialty-lighting.com) As a result of our continuous improvement, values are subject to change without notice. These are delivered results and can vary +/- 10% from published source data range.