

## Light efficiency:

**89 Lumen/Watt**

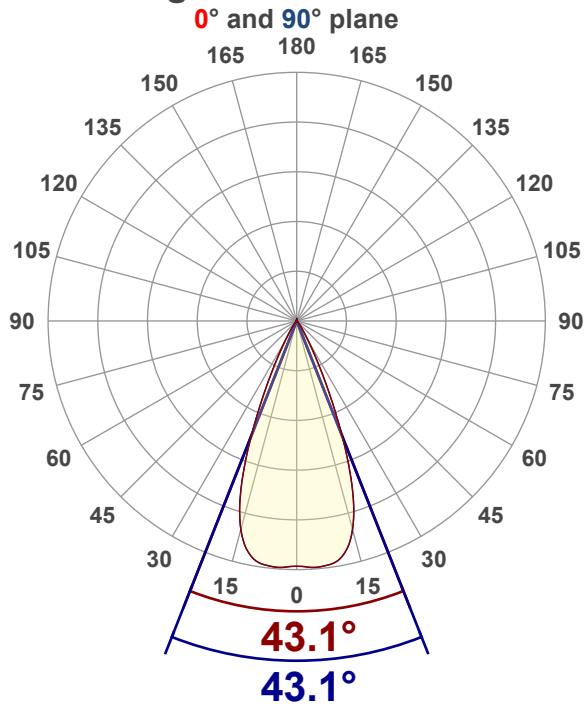
## Color temperature:

**3111 K**

## Light quality:

**CRI:92.8, R<sub>g</sub>:90.8, R<sub>f</sub>:102.7****P: 2 / V: - / F: 2****Output: 1311 lm****Peak: 2624 cd****Power: 14.7 W****Voltage: 119 V****Current: 0.125 A****PF: 0.99****THD: 13.43 %**

## Angular Distribution



Product name:

**DRW-E30MG0SF-XX1-XXX**

Test Date:

**4/11/2025**

Beam Angle (50% of the brightness of the centre):

**43.1°**

Field Angle (10% of the brightness of the centre):

**59.8°**

Cut Off Angle (2.5% of the brightness of the centre):

**73.5°**

## Beam Details

\*measured at centre of beam

| Mounting Height<br>(feet)\(meter) | Lux*    | Footcandles* | Beam width<br>(feet) / (meter) |
|-----------------------------------|---------|--------------|--------------------------------|
| 4 ft / 1.2 m                      | 1753 lx | 163 fc       | 3.2 ft / 1 m                   |
| 8 ft / 2.4 m                      | 438 lx  | 41 fc        | 6.3 ft / 1.9 m                 |
| 12 ft / 3.7 m                     | 195 lx  | 18 fc        | 9.5 ft / 2.9 m                 |
| 16 ft / 4.9 m                     | 110 lx  | 10 fc        | 12.6 ft / 3.9 m                |
| 20 ft / 6.1 m                     | 70 lx   | 7 fc         | 15.8 ft / 4.8 m                |

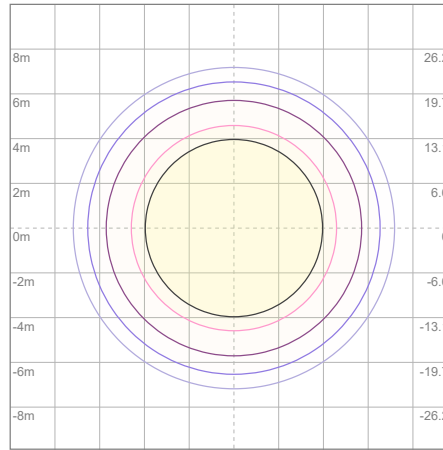
Beam center

# Photometric Testing Report

## Zonal Lumen Summary

| Zone   | Lumen | %Luminaire |
|--------|-------|------------|
| 0-30   | 1216  | 92.75%     |
| 0-40   | 1281  | 97.71%     |
| 0-60   | 1293  | 98.63%     |
| 60-90  | 9.92  | 0.76%      |
| 70-100 | 5.90  | 0.45%      |
| 90-120 | 3.30  | 0.25%      |
| 0-90   | 1303  | 99.39%     |
| 90-180 | 8.32  | 0.63%      |
| 0-180  | 1311  | 100.00%    |

## ISO Lux Diagram



|                |           |
|----------------|-----------|
| Lux at center: | 280 lx    |
| 3%             | 8.40 lx   |
| 5%             | 14.00 lx  |
| 10%            | 28.00 lx  |
| 30%            | 84.00 lx  |
| 50%            | 140.00 lx |

### Conditions:

Number of planes: 8

Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

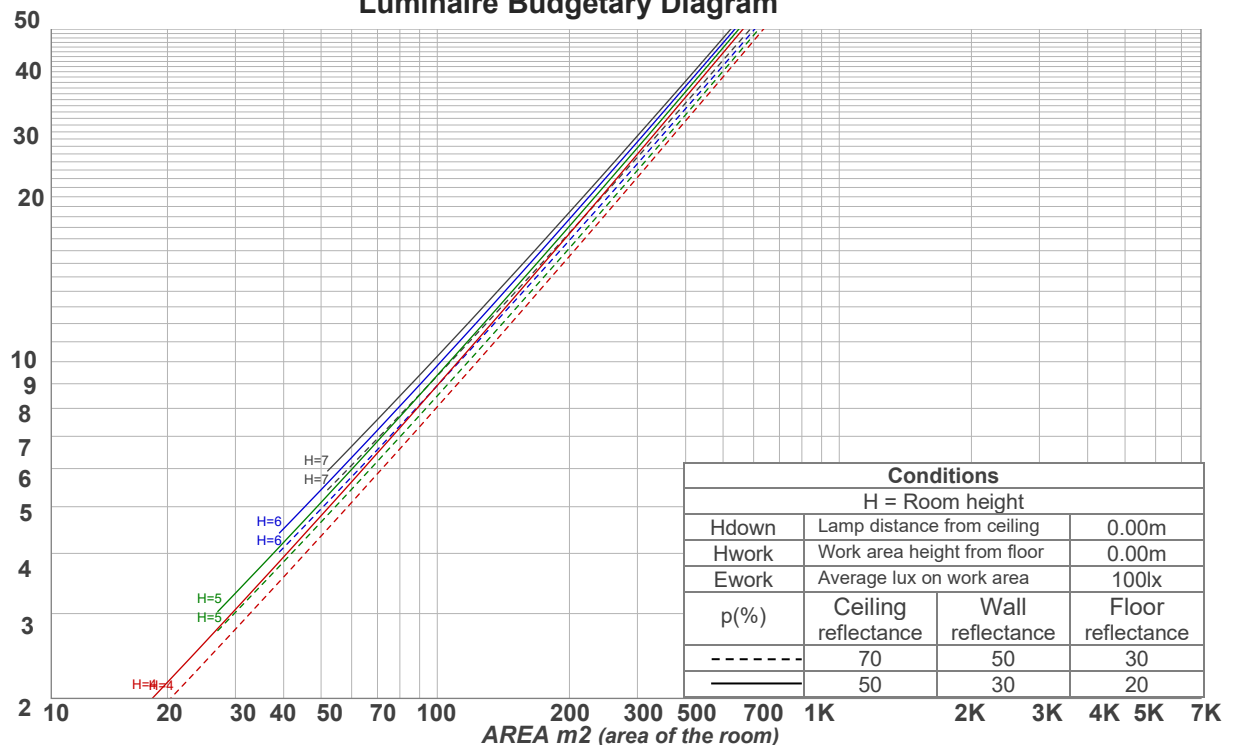
Mounting height: 3.05 meters (10 feet)

## 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 | 101 | 101 | 101 | 99 |
| 1                   | 114                      | 112 | 110 | 108 | 112                                                                             | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 99  | 98  | 97  | 96  | 95 |
| 2                   | 110                      | 106 | 102 | 99  | 108                                                                             | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 93  | 92  | 90 |
| 3                   | 106                      | 100 | 96  | 93  | 104                                                                             | 99  | 95  | 92  | 96  | 93  | 91  | 94  | 91  | 89  | 92  | 89  | 88  | 86 |
| 4                   | 102                      | 95  | 91  | 87  | 100                                                                             | 94  | 90  | 87  | 92  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 84  | 82 |
| 5                   | 98                       | 91  | 86  | 83  | 96                                                                              | 90  | 86  | 82  | 88  | 85  | 82  | 87  | 83  | 81  | 85  | 82  | 80  | 79 |
| 6                   | 94                       | 87  | 82  | 79  | 93                                                                              | 86  | 82  | 78  | 85  | 81  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 76 |
| 7                   | 91                       | 83  | 78  | 75  | 90                                                                              | 83  | 78  | 75  | 81  | 77  | 74  | 80  | 77  | 74  | 79  | 76  | 74  | 72 |
| 8                   | 88                       | 80  | 75  | 72  | 87                                                                              | 79  | 75  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 71  | 70 |
| 9                   | 85                       | 77  | 72  | 69  | 84                                                                              | 76  | 72  | 69  | 75  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 67 |
| 10                  | 82                       | 74  | 69  | 66  | 81                                                                              | 73  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 71  | 68  | 65  | 64 |

LAMPS (number of lamps)

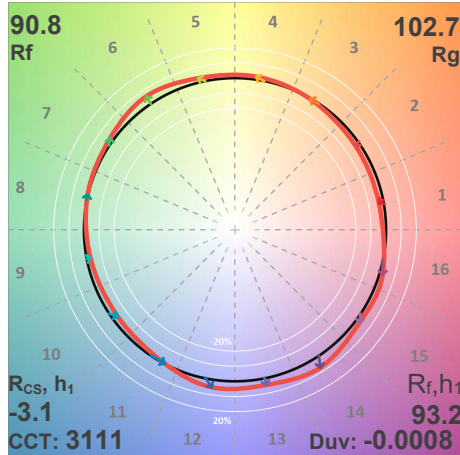
## Luminaire Budgetary Diagram



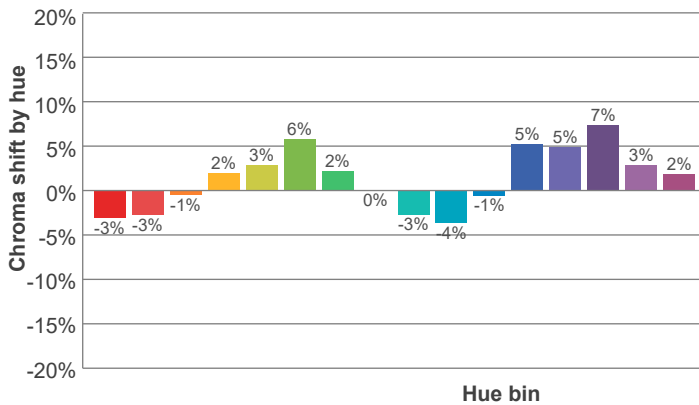
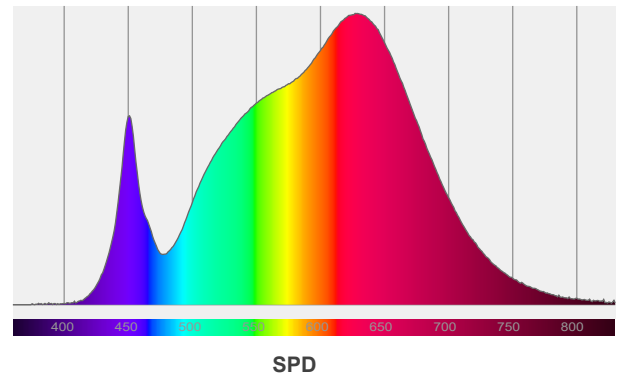
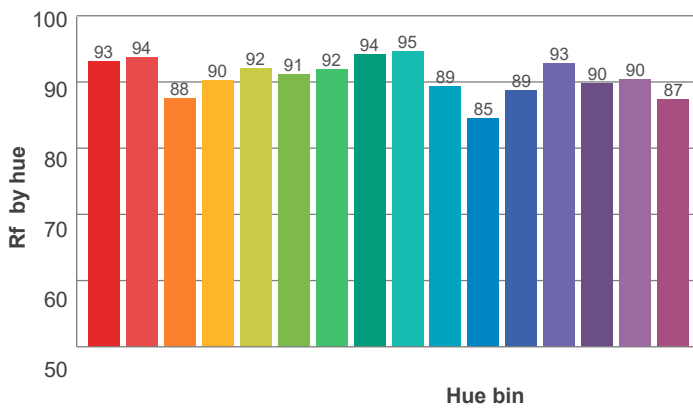
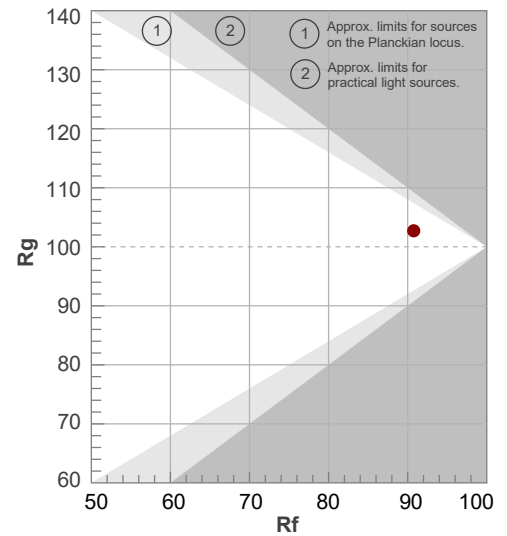
## Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 2



| Hue Bin | R <sub>f</sub> | Shifts (%) |      |
|---------|----------------|------------|------|
|         |                | Chroma     | Hue  |
| 1       | 93             | -3%        | -2%  |
| 2       | 94             | -3%        | 2%   |
| 3       | 88             | -1%        | 6%   |
| 4       | 90             | 2%         | 6%   |
| 5       | 92             | 3%         | 4%   |
| 6       | 91             | 6%         | 0%   |
| 7       | 92             | 2%         | -5%  |
| 8       | 94             | 0%         | -4%  |
| 9       | 95             | -3%        | 0%   |
| 10      | 89             | -4%        | 5%   |
| 11      | 85             | -1%        | 10%  |
| 12      | 89             | 5%         | 6%   |
| 13      | 93             | 5%         | 1%   |
| 14      | 90             | 7%         | -4%  |
| 15      | 90             | 3%         | -6%  |
| 16      | 87             | 2%         | -10% |



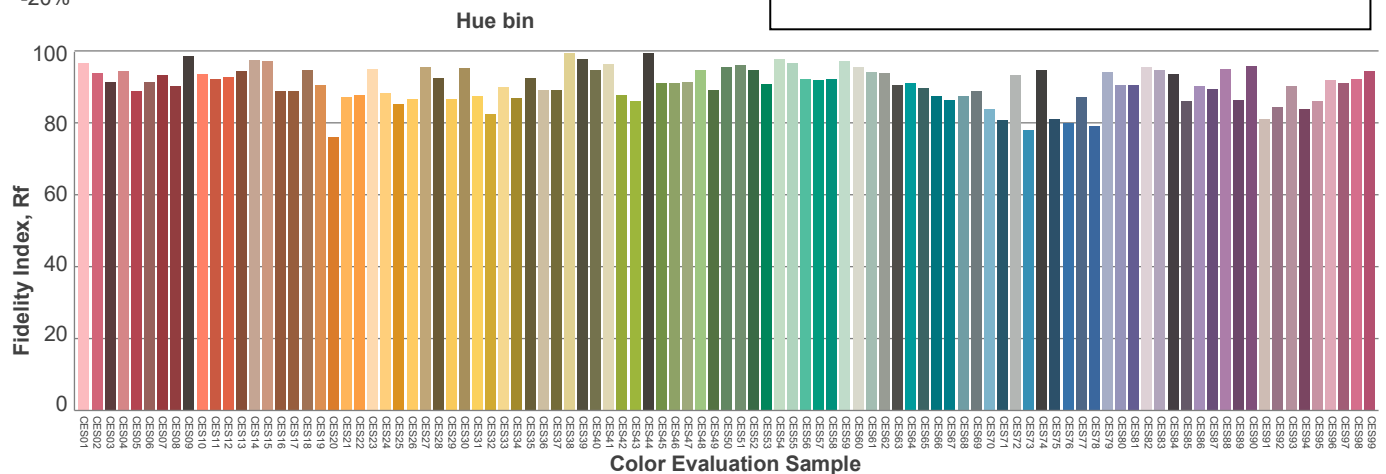
Red: 39.5%, Power=14.7mW

Blue: 7.6%, Power=5.7mW

Green: 24.4%, Power=16.8mW

UVA: 0%, Power=0.1mW

Dominant Wavelength: 584nm

1<sup>st</sup> Peak Wavelength: 627nm2<sup>nd</sup> Peak Wavelength: 451nm

### Glare Evaluation According to UGR

|                                                                  |     |                                                   |      |      |      |      |                                         |      |      |      |      |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|-----------------------------------------|------|------|------|------|
| 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<br>X      Y                                            |     | Viewing direction at right angles to<br>lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |
| 2H                                                               | 2H  | 10.8                                              | 11.3 | 10.9 | 11.5 | 11.7 | 10.8                                    | 11.3 | 10.9 | 11.5 | 11.7 |
|                                                                  | 3H  | 11.1                                              | 11.8 | 11.5 | 12.0 | 12.1 | 11.1                                    | 11.8 | 11.5 | 12.0 | 12.1 |
|                                                                  | 4H  | 11.3                                              | 12.0 | 11.7 | 12.2 | 12.4 | 11.3                                    | 12.0 | 11.7 | 12.2 | 12.4 |
|                                                                  | 6H  | 11.6                                              | 12.1 | 11.9 | 12.4 | 12.7 | 11.6                                    | 12.1 | 11.9 | 12.4 | 12.7 |
|                                                                  | 8H  | 11.7                                              | 12.2 | 12.0 | 12.5 | 12.9 | 11.7                                    | 12.2 | 12.0 | 12.5 | 12.9 |
|                                                                  | 12H | 11.8                                              | 12.2 | 12.1 | 12.6 | 13.0 | 11.8                                    | 12.2 | 12.1 | 12.6 | 13.0 |
| 4H                                                               | 2H  | 10.6                                              | 11.2 | 11.0 | 11.5 | 11.7 | 10.6                                    | 11.2 | 11.0 | 11.5 | 11.7 |
|                                                                  | 3H  | 11.4                                              | 11.8 | 11.7 | 12.2 | 12.6 | 11.4                                    | 11.8 | 11.7 | 12.2 | 12.6 |
|                                                                  | 4H  | 11.6                                              | 12.1 | 12.0 | 12.5 | 13.0 | 11.6                                    | 12.1 | 12.0 | 12.5 | 13.0 |
|                                                                  | 6H  | 11.9                                              | 12.4 | 12.4 | 12.7 | 13.1 | 11.9                                    | 12.4 | 12.4 | 12.7 | 13.1 |
|                                                                  | 8H  | 12.1                                              | 12.5 | 12.6 | 12.9 | 13.2 | 12.1                                    | 12.5 | 12.6 | 12.9 | 13.2 |
|                                                                  | 12H | 12.2                                              | 12.6 | 12.8 | 13.0 | 13.5 | 12.2                                    | 12.6 | 12.8 | 13.0 | 13.5 |
| 8H                                                               | 4H  | 11.7                                              | 12.1 | 12.2 | 12.5 | 12.9 | 11.7                                    | 12.1 | 12.2 | 12.5 | 12.9 |
|                                                                  | 6H  | 12.1                                              | 12.4 | 12.6 | 12.9 | 13.4 | 12.1                                    | 12.4 | 12.6 | 12.9 | 13.4 |
|                                                                  | 8H  | 12.4                                              | 12.7 | 13.0 | 13.2 | 13.8 | 12.4                                    | 12.7 | 13.0 | 13.2 | 13.8 |
|                                                                  | 12H | 12.7                                              | 12.9 | 13.3 | 13.4 | 14.0 | 12.7                                    | 12.9 | 13.3 | 13.4 | 14.0 |
| 12H                                                              | 4H  | 11.7                                              | 12.0 | 12.2 | 12.4 | 12.9 | 11.7                                    | 12.0 | 12.2 | 12.4 | 12.9 |
|                                                                  | 6H  | 12.2                                              | 12.4 | 12.7 | 13.0 | 13.6 | 12.2                                    | 12.4 | 12.7 | 13.0 | 13.6 |
|                                                                  | 8H  | 12.5                                              | 12.7 | 13.1 | 13.2 | 13.8 | 12.5                                    | 12.7 | 13.1 | 13.2 | 13.8 |
| Variation of the observer position for the luminaire distance S  |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                         |     | 3.6 / -1.6                                        |      |      |      |      | 3.6 / -1.6                              |      |      |      |      |
| S = 1.5H                                                         |     | 5.9 / -1.8                                        |      |      |      |      | 5.9 / -1.8                              |      |      |      |      |
| S = 2.0H                                                         |     | 7.8 / -2.0                                        |      |      |      |      | 7.8 / -2.0                              |      |      |      |      |
| Standard table                                                   |     | n/a                                               |      |      |      |      | n/a                                     |      |      |      |      |
| Correction<br>summand                                            |     | n/a                                               |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 1311 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |

Due to our continued efforts to improve our products, product specifications are subject to change without notice. Please refer to our website for the latest test results.