

## Light efficiency:

80 Lumen/Watt

## Color temperature:

3111 K

## Light quality:

CRI:92.8, R<sub>g</sub>:90.8, R<sub>f</sub>:102.8

P: 2 / V: - / F: 2

Output: 1177 lm

Peak: 5834 cd

Power: 14.7 W

Voltage: 119 V

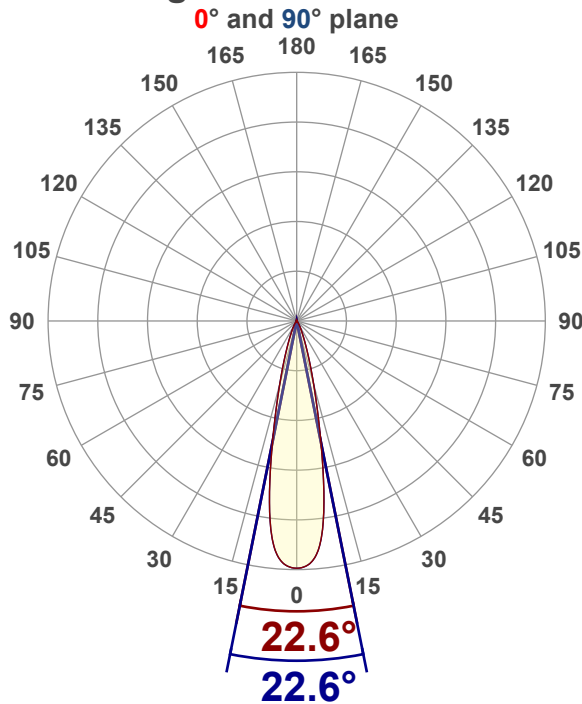
Current: 0.124 A

PF: 0.99

THD: 13.51 %



## Angular Distribution



Product name:

DRW-E30VG0WF-XX1-XXX

Test Date:

4/14/2025

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

22.6°

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

41.2°

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

59.7°

## Beam Details

\*measured at centre of beam

| Mounting Height<br>(feet)\(meter) | Lux*    | Footcandles* | Beam width<br>(feet) / (meter) |
|-----------------------------------|---------|--------------|--------------------------------|
| 4 ft / 1.2 m                      | 3925 lx | 365 fc       | 1.6 ft / 0.5 m                 |
| 8 ft / 2.4 m                      | 981 lx  | 91 fc        | 3.2 ft / 1 m                   |
| 12 ft / 3.7 m                     | 436 lx  | 41 fc        | 4.8 ft / 1.5 m                 |
| 16 ft / 4.9 m                     | 245 lx  | 23 fc        | 6.4 ft / 1.9 m                 |
| 20 ft / 6.1 m                     | 157 lx  | 15 fc        | 8 ft / 2.4 m                   |

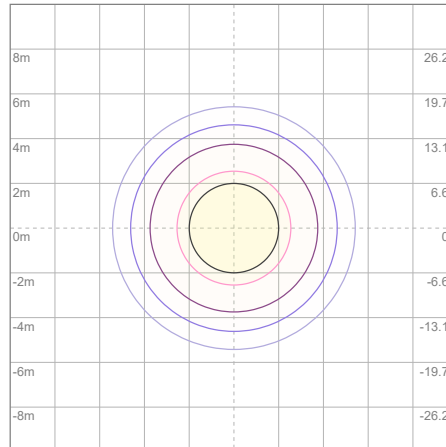
Beam center

## Photometric Testing Report

## Zonal Lumen Summary

| Zone   | Lumen | %Luminaire |
|--------|-------|------------|
| 0-30   | 1056  | 89.72%     |
| 0-40   | 1103  | 93.71%     |
| 0-60   | 1127  | 95.75%     |
| 60-90  | 20.5  | 1.74%      |
| 70-100 | 16.7  | 1.42%      |
| 90-120 | 18.6  | 1.58%      |
| 0-90   | 1147  | 97.45%     |
| 90-180 | 29.8  | 2.53%      |
| 0-180  | 1177  | 100.00%    |

## ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

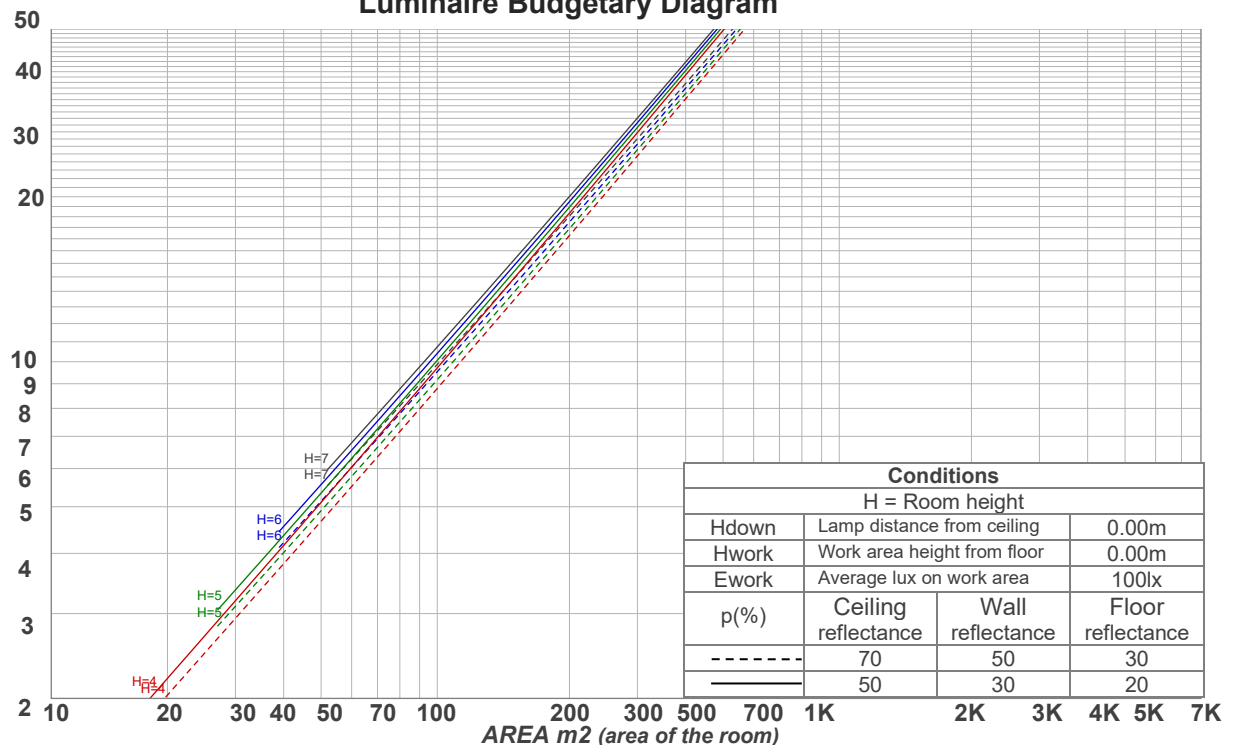
|                                                                                                                                  |           |
|----------------------------------------------------------------------------------------------------------------------------------|-----------|
| Lux at center:                                                                                                                   | 627 lx    |
| 3%                                                                                                                               | 18.81 lx  |
| 5%                                                                                                                               | 31.35 lx  |
| 10%                                                                                                                              | 62.70 lx  |
| 30%                                                                                                                              | 188.10 lx |
| 50%                                                                                                                              | 313.50 lx |
| <b>Conditions:</b><br>Number of planes: 8<br>Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface. |           |

## 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                   | 118                                                                                                      | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 104 | 104 | 104 | 100 | 100 | 100 | 97 |
| 1                   | 114                                                                                                      | 112 | 110 | 108 | 111 | 109 | 108 | 106 | 105 | 104 | 102 | 101 | 100 | 99  | 97  | 96  | 95  | 94 |
| 2                   | 110                                                                                                      | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 97  | 98  | 96  | 94  | 95  | 93  | 92  | 90 |
| 3                   | 106                                                                                                      | 101 | 98  | 95  | 104 | 100 | 97  | 94  | 97  | 94  | 92  | 95  | 92  | 90  | 92  | 90  | 89  | 87 |
| 4                   | 103                                                                                                      | 97  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 84 |
| 5                   | 100                                                                                                      | 94  | 90  | 86  | 98  | 93  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 87  | 85  | 83  | 82 |
| 6                   | 97                                                                                                       | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 85  | 83  | 81  | 80 |
| 7                   | 94                                                                                                       | 88  | 84  | 81  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 81  | 79  | 83  | 81  | 79  | 78 |
| 8                   | 92                                                                                                       | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 81  | 79  | 77  | 76 |
| 9                   | 90                                                                                                       | 83  | 79  | 76  | 89  | 82  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 80  | 77  | 75  | 74 |
| 10                  | 87                                                                                                       | 81  | 77  | 74  | 86  | 80  | 76  | 74  | 79  | 76  | 74  | 79  | 75  | 73  | 78  | 75  | 73  | 72 |

## LAMPS (number of lamps)

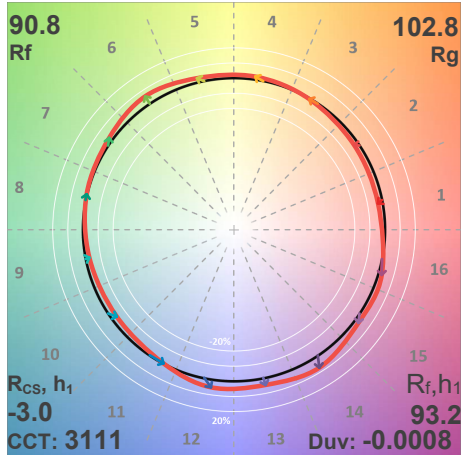
## Luminaire Budgetary Diagram



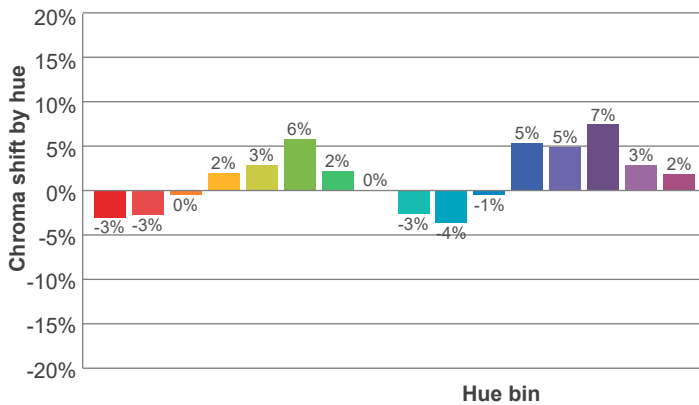
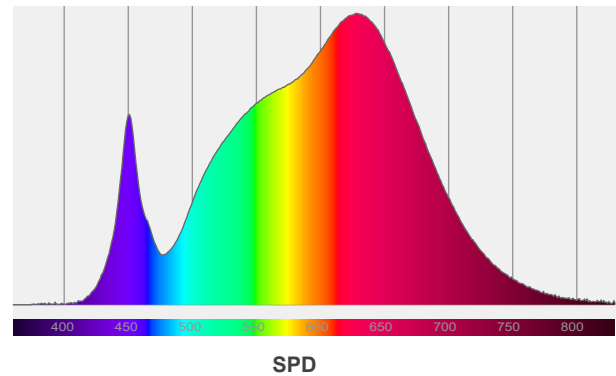
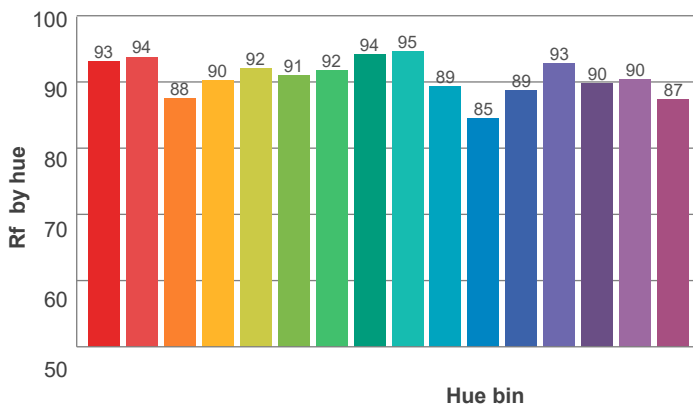
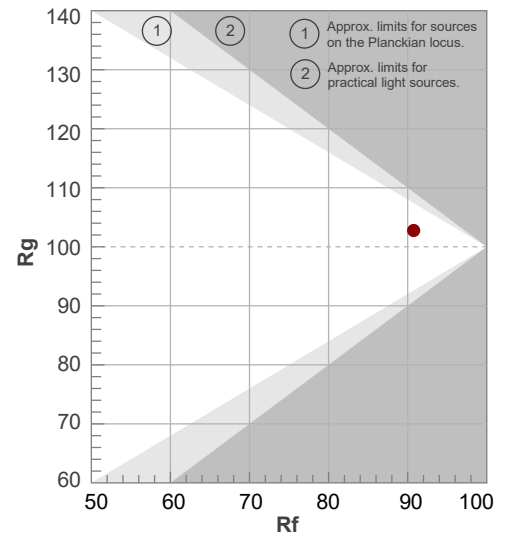
## Photometric Testing Report

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             | 0%         | 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% |



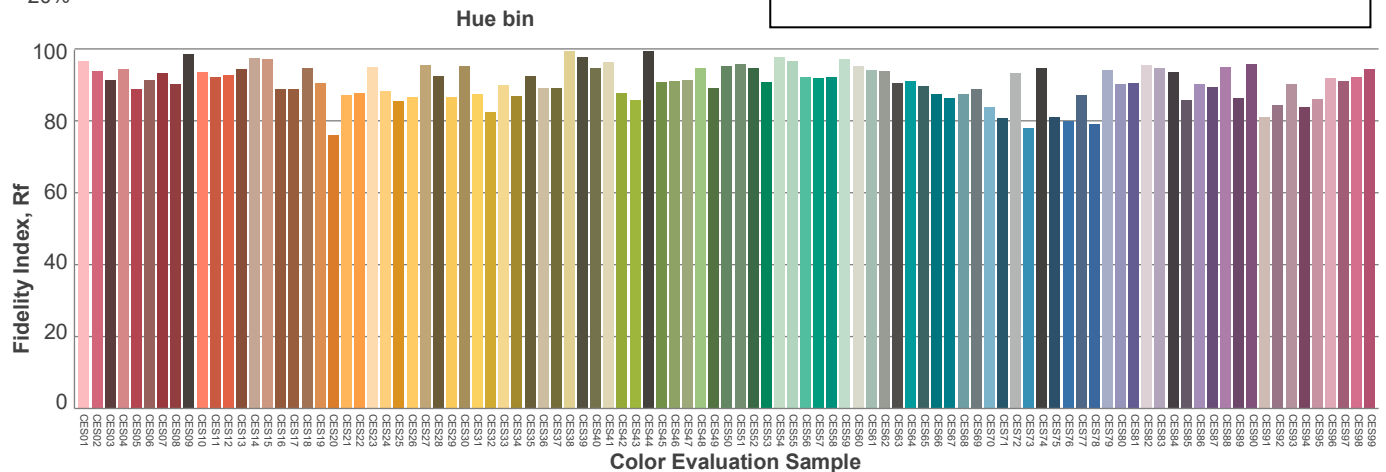
Red: 39.6%, Power=13.3mW

Blue: 7.6%, Power=5.1mW

Green: 24.5%, Power=15.1mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 584nm

1<sup>st</sup> Peak Wavelength: 628nm2<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  | 11.1                                              | 11.5 | 11.2 | 11.7 | 11.9 | 11.1                                    | 11.5 | 11.2 | 11.7 | 11.9 |
|                                                                  | 3H  | 12.3                                              | 12.8 | 12.7 | 13.1 | 13.3 | 12.3                                    | 12.8 | 12.7 | 13.1 | 13.3 |
|                                                                  | 4H  | 13.0                                              | 13.6 | 13.4 | 13.8 | 14.1 | 13.0                                    | 13.6 | 13.4 | 13.8 | 14.1 |
|                                                                  | 6H  | 14.0                                              | 14.4 | 14.3 | 14.8 | 15.1 | 14.0                                    | 14.4 | 14.3 | 14.8 | 15.1 |
|                                                                  | 8H  | 14.5                                              | 14.9 | 14.8 | 15.3 | 15.7 | 14.5                                    | 14.9 | 14.8 | 15.3 | 15.7 |
|                                                                  | 12H | 15.1                                              | 15.5 | 15.4 | 15.9 | 16.3 | 15.1                                    | 15.5 | 15.4 | 15.9 | 16.3 |
| 4H                                                               | 2H  | 11.3                                              | 11.9 | 11.7 | 12.1 | 12.4 | 11.3                                    | 11.9 | 11.7 | 12.1 | 12.4 |
|                                                                  | 3H  | 13.0                                              | 13.5 | 13.4 | 13.9 | 14.3 | 13.0                                    | 13.5 | 13.4 | 13.9 | 14.3 |
|                                                                  | 4H  | 13.9                                              | 14.3 | 14.4 | 14.8 | 15.3 | 13.9                                    | 14.3 | 14.4 | 14.8 | 15.3 |
|                                                                  | 6H  | 15.0                                              | 15.5 | 15.5 | 15.8 | 16.2 | 15.0                                    | 15.5 | 15.5 | 15.8 | 16.2 |
|                                                                  | 8H  | 15.6                                              | 16.1 | 16.2 | 16.5 | 16.9 | 15.6                                    | 16.1 | 16.2 | 16.5 | 16.9 |
|                                                                  | 12H | 16.4                                              | 16.7 | 16.9 | 17.1 | 17.6 | 16.4                                    | 16.7 | 16.9 | 17.1 | 17.6 |
| 8H                                                               | 4H  | 14.3                                              | 14.7 | 14.8 | 15.1 | 15.5 | 14.3                                    | 14.7 | 14.8 | 15.1 | 15.5 |
|                                                                  | 6H  | 15.7                                              | 16.0 | 16.2 | 16.5 | 17.0 | 15.7                                    | 16.0 | 16.2 | 16.5 | 17.0 |
|                                                                  | 8H  | 16.6                                              | 16.8 | 17.1 | 17.3 | 18.0 | 16.6                                    | 16.8 | 17.1 | 17.3 | 18.0 |
|                                                                  | 12H | 17.5                                              | 17.7 | 18.1 | 18.2 | 18.9 | 17.5                                    | 17.7 | 18.1 | 18.2 | 18.9 |
| 12H                                                              | 4H  | 14.4                                              | 14.7 | 14.9 | 15.1 | 15.6 | 14.4                                    | 14.7 | 14.9 | 15.1 | 15.6 |
|                                                                  | 6H  | 15.9                                              | 16.1 | 16.5 | 16.7 | 17.3 | 15.9                                    | 16.1 | 16.5 | 16.7 | 17.3 |
|                                                                  | 8H  | 16.8                                              | 17.0 | 17.5 | 17.6 | 18.2 | 16.8                                    | 17.0 | 17.5 | 17.6 | 18.2 |
| Variation of the observer position for the luminaire distance S  |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                         |     | 0.6 / -0.2                                        |      |      |      |      | 0.6 / -0.2                              |      |      |      |      |
| S = 1.5H                                                         |     | 1.3 / -0.2                                        |      |      |      |      | 1.3 / -0.2                              |      |      |      |      |
| S = 2.0H                                                         |     | 2.1 / -0.3                                        |      |      |      |      | 2.1 / -0.3                              |      |      |      |      |
| Standard table                                                   |     | n/a                                               |      |      |      |      | n/a                                     |      |      |      |      |
| Correction<br>summand                                            |     | n/a                                               |      |      |      |      | n/a                                     |      |      |      |      |
| Corrected glare indices referring to 1177 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |