



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 940.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/1/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 8 ML UV FR 940

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,  
[MORE] translucent curved plastic enclosure.

[LAMP] 112 white LEDs on four LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 960mA

[OTHER] 120.0Vac, 60.00Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

### CHARACTERISTICS

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 6493                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 151                 |
| Total Luminaire Watts           | 43.1                |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Direct              |
| Spacing Criterion (0-180)       | 1.26                |
| Spacing Criterion (90-270)      | 1.30                |
| Spacing Criterion (Diagonal)    | 1.38                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 8.00 ft             |
| Luminous Width (90-270)         | 0.38 ft             |
| Luminous Height                 | 0.06 ft             |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 6893             | 6617              | 6578              |
| 55                  | 6027             | 6015              | 6042              |
| 65                  | 4871             | 5274              | 5333              |
| 75                  | 3577             | 4529              | 4515              |
| 85                  | 2159             | 4264              | 3961              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 940.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 807.30  | N.A.  | 12.40  |
| 0-30    | 1716.81 | N.A.  | 26.40  |
| 0-40    | 2811.1  | N.A.  | 43.30  |
| 0-60    | 4927.68 | N.A.  | 75.90  |
| 0-80    | 6142.64 | N.A.  | 94.60  |
| 0-90    | 6377.44 | N.A.  | 98.20  |
| 10-90   | 6168.97 | N.A.  | 95.00  |
| 20-40   | 2003.8  | N.A.  | 30.90  |
| 20-50   | 3126.63 | N.A.  | 48.20  |
| 40-70   | 2864.72 | N.A.  | 44.10  |
| 60-80   | 1214.96 | N.A.  | 18.70  |
| 70-80   | 466.81  | N.A.  | 7.20   |
| 80-90   | 234.80  | N.A.  | 3.60   |
| 90-110  | 115.74  | N.A.  | 1.80   |
| 90-120  | 115.98  | N.A.  | 1.80   |
| 90-130  | 115.98  | N.A.  | 1.80   |
| 90-150  | 115.98  | N.A.  | 1.80   |
| 90-180  | 115.98  | N.A.  | 1.80   |
| 110-180 | 0.23    | N.A.  | 0.00   |
| 0-180   | 6493.42 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 208.46  |
| 10-20   | 598.84  |
| 20-30   | 909.51  |
| 30-40   | 1094.29 |
| 40-50   | 1122.83 |
| 50-60   | 993.75  |
| 60-70   | 748.15  |
| 70-80   | 466.81  |
| 80-90   | 234.80  |
| 90-100  | 94.12   |
| 100-110 | 21.62   |
| 110-120 | 0.23    |
| 120-130 | 0.00    |
| 130-140 | 0.00    |
| 140-150 | 0.00    |
| 150-160 | 0.00    |
| 160-170 | 0.00    |
| 170-180 | 0.00    |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 940.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0  |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0  |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1  | 108 | 103 | 98  | 94  | 105 | 100 | 96  | 92  | 95  | 92  | 89  | 91  | 88  | 86  | 87  | 85  | 83  | 81 |
| 2  | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 83  | 78  | 73  | 80  | 75  | 71  | 76  | 73  | 69  | 67 |
| 3  | 89  | 78  | 70  | 63  | 86  | 77  | 69  | 63  | 73  | 67  | 61  | 70  | 65  | 60  | 67  | 63  | 59  | 56 |
| 4  | 82  | 69  | 60  | 54  | 79  | 68  | 60  | 53  | 65  | 58  | 52  | 63  | 56  | 51  | 60  | 55  | 50  | 48 |
| 5  | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 58  | 51  | 45  | 56  | 50  | 44  | 54  | 48  | 44  | 42 |
| 6  | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 39  | 51  | 44  | 39  | 49  | 43  | 38  | 36 |
| 7  | 64  | 51  | 42  | 36  | 62  | 50  | 41  | 35  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 34  | 32 |
| 8  | 60  | 46  | 38  | 32  | 58  | 45  | 37  | 32  | 44  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29 |
| 9  | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26 |
| 10 | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 25  | 35  | 29  | 25  | 23 |

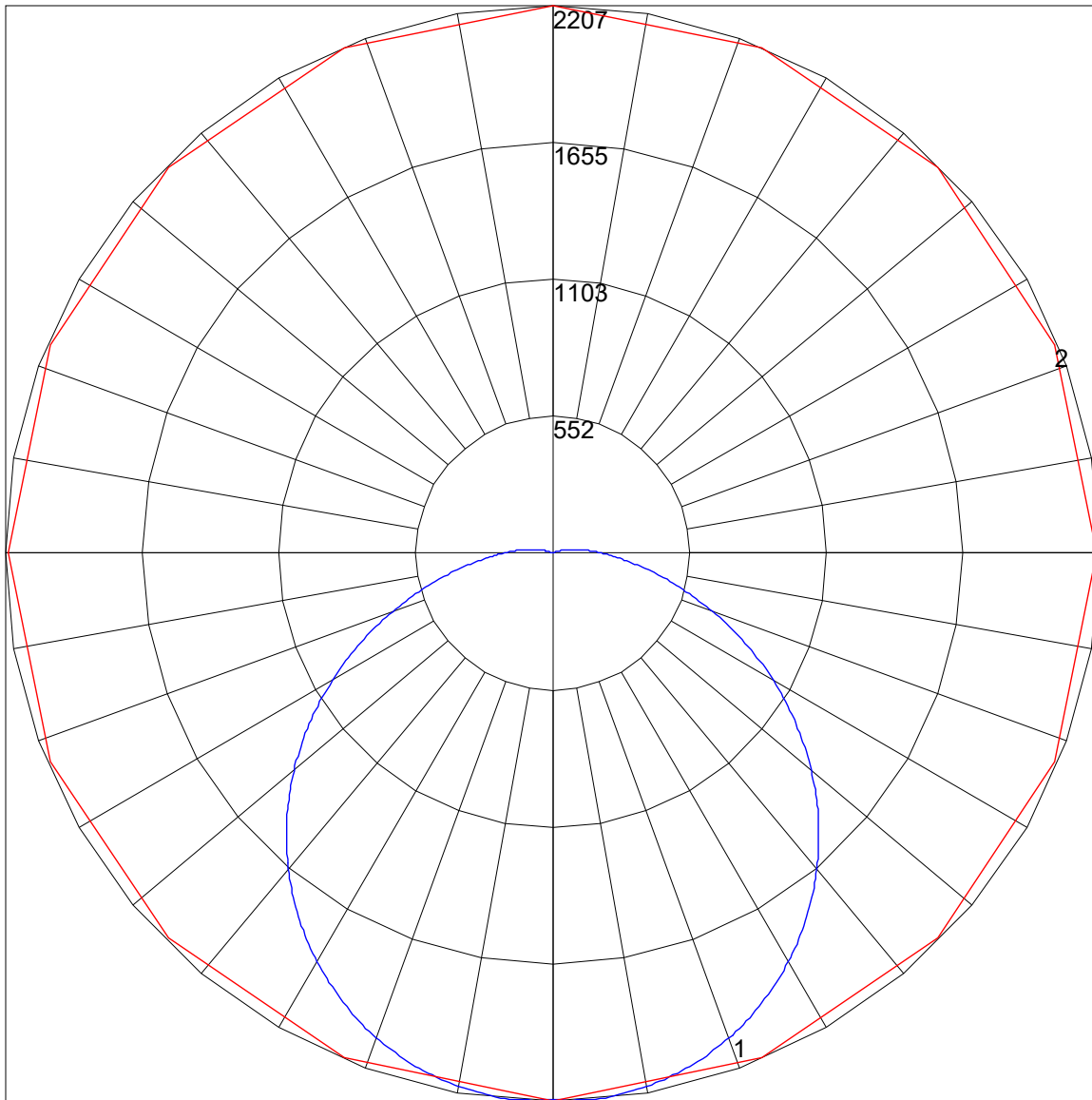
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ECL G2 8 ML UV FR 940.IES**

**UGR TABLE - CORRECTED**

| Reflectances   |      |                      |      |      |      |      |                    |      |      |      |      |
|----------------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| Ceiling Cavity | 70   | 70                   | 50   | 50   | 30   | 70   | 70                 | 50   | 50   | 30   |      |
| Walls          | 50   | 30                   | 50   | 30   | 30   | 50   | 30                 | 50   | 30   | 30   |      |
| Floor Cavity   | 20   | 20                   | 20   | 20   | 20   | 20   | 20                 | 20   | 20   | 20   |      |
| Room Size      |      | UGR Viewed Crosswise |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
| X=2H           | Y=2H | 17.1                 | 18.7 | 17.5 | 19.1 | 19.4 | 18.8               | 20.4 | 19.2 | 20.8 | 21.1 |
|                | 3H   | 18.4                 | 19.9 | 18.8 | 20.2 | 20.6 | 20.8               | 22.3 | 21.2 | 22.6 | 23.0 |
|                | 4H   | 18.8                 | 20.2 | 19.2 | 20.6 | 21.0 | 21.6               | 23.0 | 22.1 | 23.4 | 23.8 |
|                | 6H   | 19.0                 | 20.3 | 19.5 | 20.7 | 21.2 | 22.4               | 23.7 | 22.9 | 24.1 | 24.6 |
|                | 8H   | 19.1                 | 20.3 | 19.5 | 20.7 | 21.2 | 22.8               | 24.1 | 23.3 | 24.5 | 24.9 |
|                | 12H  | 19.1                 | 20.3 | 19.6 | 20.7 | 21.2 | 23.2               | 24.4 | 23.7 | 24.8 | 25.3 |
| 4H             | 2H   | 17.9                 | 19.3 | 18.4 | 19.7 | 20.1 | 19.3               | 20.7 | 19.7 | 21.0 | 21.5 |
|                | 3H   | 19.5                 | 20.7 | 19.9 | 21.1 | 21.5 | 21.5               | 22.7 | 21.9 | 23.1 | 23.5 |
|                | 4H   | 20.0                 | 21.1 | 20.5 | 21.5 | 22.0 | 22.5               | 23.6 | 23.0 | 24.0 | 24.5 |
|                | 6H   | 20.4                 | 21.3 | 20.8 | 21.8 | 22.3 | 23.5               | 24.4 | 24.0 | 24.9 | 25.4 |
|                | 8H   | 20.4                 | 21.3 | 20.9 | 21.8 | 22.3 | 23.9               | 24.8 | 24.4 | 25.3 | 25.8 |
|                | 12H  | 20.5                 | 21.3 | 21.0 | 21.8 | 22.3 | 24.5               | 25.2 | 25.0 | 25.8 | 26.3 |
| 8H             | 4H   | 20.6                 | 21.4 | 21.1 | 21.9 | 22.4 | 22.7               | 23.6 | 23.2 | 24.1 | 24.6 |
|                | 6H   | 21.1                 | 21.8 | 21.6 | 22.3 | 22.9 | 23.9               | 24.6 | 24.4 | 25.1 | 25.7 |
|                | 8H   | 21.3                 | 21.9 | 21.8 | 22.5 | 23.0 | 24.5               | 25.1 | 25.0 | 25.7 | 26.2 |
|                | 12H  | 21.4                 | 22.0 | 21.9 | 22.5 | 23.1 | 25.1               | 25.7 | 25.7 | 26.2 | 26.8 |
| 12H            | 4H   | 20.7                 | 21.5 | 21.2 | 22.0 | 22.5 | 22.7               | 23.5 | 23.3 | 24.1 | 24.6 |
|                | 6H   | 21.3                 | 22.0 | 21.9 | 22.5 | 23.1 | 24.0               | 24.6 | 24.5 | 25.1 | 25.7 |
|                | 8H   | 21.6                 | 22.1 | 22.1 | 22.7 | 23.3 | 24.6               | 25.2 | 25.1 | 25.7 | 26.3 |

Maximum UGR = 26.8

POLAR GRAPH



Maximum Candela = 2206.584 Located At Horizontal Angle = 90, Vertical Angle = 3.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)