



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL S G2 8 SL UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] LLIA002568-007A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 1/3/2025

[MANUFAC] LumenFocus, LLC

[LUMCAT] EWL S G2 8 SL UV FA 930

[LUMINAIRE] Surface or pendant mounted, formed white painted steel housing,
[MORE] formed white painted steel reflector, frosted plastic enclosure with interior

[MORE] linear prisms

[LAMPCAT] Four CL116-3000K-R90-A5 CREE G CLASS PRO 9 48UP LED boards with 48 LEDs each.

[BALLAST] One Keystone Technologies KTLD-30-UV-P1050-55-VDIM-LT1 LED driver set at 560mA

[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 | 4327 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 158 |
| Total Luminaire Watts | 27.3 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.28 |
| Spacing Criterion (Diagonal) | 1.36 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 8.00 ft |
| Luminous Width (90-270) | 0.44 ft |
| Luminous Height | 0.12 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 3391 | 3156 | 3217 |
| 55 | 3048 | 2846 | 2982 |
| 65 | 2647 | 2506 | 2741 |
| 75 | 2110 | 2137 | 2491 |
| 85 | 1143 | 1782 | 2288 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 494.35 | N.A. | 11.40 |
| 0-30 | 1043.37 | N.A. | 24.10 |
| 0-40 | 1696.21 | N.A. | 39.20 |
| 0-60 | 2971.52 | N.A. | 68.70 |
| 0-80 | 3780.5 | N.A. | 87.40 |
| 0-90 | 3956.08 | N.A. | 91.40 |
| 10-90 | 3827.68 | N.A. | 88.50 |
| 20-40 | 1201.85 | N.A. | 27.80 |
| 20-50 | 1870.99 | N.A. | 43.20 |
| 40-70 | 1758.16 | N.A. | 40.60 |
| 60-80 | 808.98 | N.A. | 18.70 |
| 70-80 | 326.13 | N.A. | 7.50 |
| 80-90 | 175.58 | N.A. | 4.10 |
| 90-110 | 176.72 | N.A. | 4.10 |
| 90-120 | 239.66 | N.A. | 5.50 |
| 90-130 | 289.47 | N.A. | 6.70 |
| 90-150 | 349.94 | N.A. | 8.10 |
| 90-180 | 370.88 | N.A. | 8.60 |
| 110-180 | 194.17 | N.A. | 4.50 |
| 0-180 | 4326.96 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 128.40 |
| 10-20 | 365.96 |
| 20-30 | 549.02 |
| 30-40 | 652.84 |
| 40-50 | 669.14 |
| 50-60 | 606.18 |
| 60-70 | 482.85 |
| 70-80 | 326.13 |
| 80-90 | 175.58 |
| 90-100 | 98.87 |
| 100-110 | 77.85 |
| 110-120 | 62.95 |
| 120-130 | 49.80 |
| 130-140 | 36.62 |
| 140-150 | 23.85 |
| 150-160 | 13.29 |
| 160-170 | 6.05 |
| 170-180 | 1.61 |

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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 | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 106 | 106 | 106 | 100 | 100 | 100 | 94 | 94 | 94 | 91 |
| 1 | 106 | 101 | 96 | 92 | 102 | 97 | 93 | 89 | 92 | 88 | 85 | 86 | 83 | 81 | 81 | 79 | 77 | 74 |
| 2 | 96 | 87 | 80 | 74 | 92 | 85 | 78 | 72 | 80 | 74 | 70 | 75 | 71 | 67 | 71 | 67 | 64 | 61 |
| 3 | 87 | 76 | 68 | 61 | 84 | 74 | 66 | 60 | 70 | 63 | 58 | 66 | 61 | 56 | 62 | 58 | 54 | 51 |
| 4 | 80 | 68 | 59 | 52 | 77 | 66 | 57 | 51 | 62 | 55 | 49 | 59 | 53 | 48 | 56 | 50 | 46 | 44 |
| 5 | 73 | 60 | 51 | 44 | 71 | 59 | 50 | 44 | 56 | 48 | 43 | 53 | 46 | 41 | 50 | 44 | 40 | 38 |
| 6 | 68 | 54 | 45 | 39 | 65 | 53 | 44 | 38 | 50 | 43 | 37 | 48 | 41 | 36 | 45 | 40 | 35 | 33 |
| 7 | 63 | 49 | 40 | 34 | 60 | 48 | 40 | 34 | 46 | 38 | 33 | 43 | 37 | 32 | 41 | 36 | 31 | 29 |
| 8 | 58 | 45 | 36 | 30 | 56 | 44 | 36 | 30 | 42 | 35 | 29 | 40 | 33 | 29 | 38 | 32 | 28 | 26 |
| 9 | 55 | 41 | 33 | 27 | 53 | 40 | 32 | 27 | 38 | 31 | 26 | 37 | 30 | 26 | 35 | 29 | 25 | 23 |
| 10 | 51 | 38 | 30 | 25 | 49 | 37 | 30 | 24 | 36 | 29 | 24 | 34 | 28 | 23 | 33 | 27 | 23 | 21 |

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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

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 13.8 | 15.3 | 14.3 | 15.8 | 16.3 | 16.1 | 17.6 | 16.6 | 18.1 | 18.6 |
| | 3H | 15.2 | 16.5 | 15.7 | 17.1 | 17.6 | 18.4 | 19.8 | 19.0 | 20.3 | 20.8 |
| | 4H | 15.7 | 16.9 | 16.2 | 17.4 | 18.0 | 19.5 | 20.8 | 20.0 | 21.3 | 21.9 |
| | 6H | 15.9 | 17.1 | 16.5 | 17.6 | 18.2 | 20.6 | 21.7 | 21.1 | 22.3 | 22.9 |
| | 8H | 16.0 | 17.1 | 16.5 | 17.6 | 18.2 | 21.1 | 22.2 | 21.7 | 22.8 | 23.4 |
| | 12H | 16.0 | 17.0 | 16.5 | 17.6 | 18.2 | 21.7 | 22.8 | 22.2 | 23.3 | 23.9 |

UGR Viewed Endwise

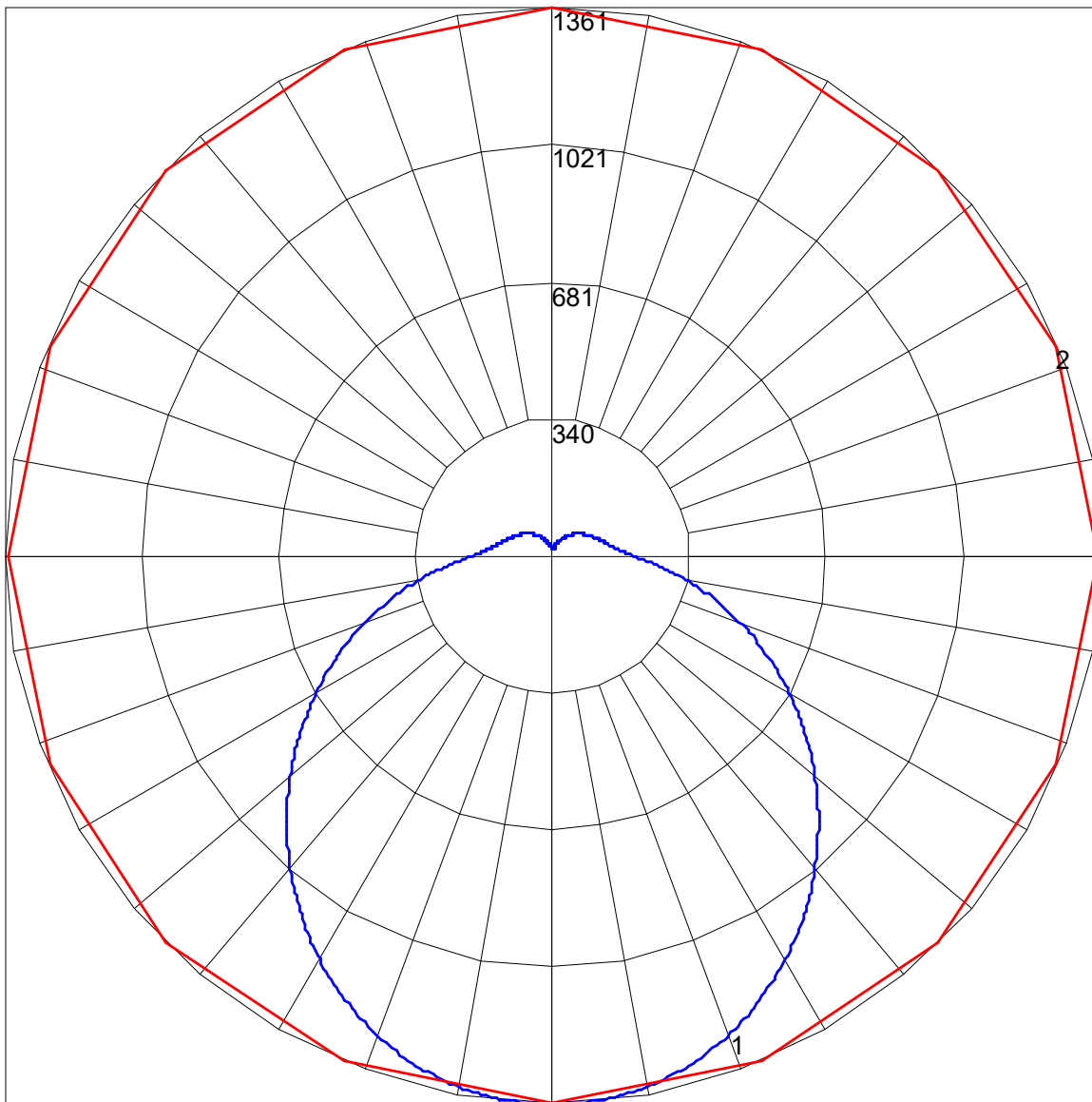
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 14.7 | 15.9 | 15.2 | 16.5 | 17.0 | 16.5 | 17.8 | 17.0 | 18.3 | 18.9 |
| | 3H | 16.3 | 17.4 | 16.9 | 18.0 | 18.6 | 19.1 | 20.1 | 19.6 | 20.7 | 21.3 |
| | 4H | 16.9 | 17.8 | 17.4 | 18.4 | 19.1 | 20.3 | 21.3 | 20.9 | 21.8 | 22.5 |
| | 6H | 17.2 | 18.1 | 17.8 | 18.7 | 19.3 | 21.5 | 22.4 | 22.1 | 23.0 | 23.7 |
| | 8H | 17.3 | 18.1 | 17.9 | 18.7 | 19.4 | 22.2 | 23.0 | 22.8 | 23.6 | 24.2 |
| | 12H | 17.4 | 18.1 | 18.0 | 18.7 | 19.4 | 22.9 | 23.6 | 23.5 | 24.2 | 24.9 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 17.5 | 18.3 | 18.1 | 18.9 | 19.6 | 20.5 | 21.3 | 21.1 | 21.9 | 22.5 |
| | 6H | 18.0 | 18.7 | 18.7 | 19.3 | 20.0 | 21.9 | 22.6 | 22.5 | 23.2 | 23.9 |
| | 8H | 18.2 | 18.8 | 18.8 | 19.4 | 20.1 | 22.6 | 23.3 | 23.3 | 23.9 | 24.6 |
| | 12H | 18.3 | 18.8 | 18.9 | 19.4 | 20.2 | 23.5 | 24.1 | 24.2 | 24.7 | 25.4 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 17.7 | 18.4 | 18.3 | 19.0 | 19.7 | 20.5 | 21.2 | 21.1 | 21.8 | 22.5 |
| | 6H | 18.3 | 18.9 | 18.9 | 19.5 | 20.2 | 21.9 | 22.5 | 22.6 | 23.1 | 23.9 |
| | 8H | 18.5 | 19.0 | 19.1 | 19.7 | 20.4 | 22.7 | 23.3 | 23.4 | 23.9 | 24.7 |

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 1361.116 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)