



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV L G2 2 LW UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-015(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/8/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] WV L G2 2 LW UV FA 930

[LUMINAIRE] Surface/pendant mounted, formed white plastic housing, formed

[MORE] white painted steel LED tray/reflector, translucent drop plastic lens.

[LAMP] 192 white LEDs on three LS3872A8-3000K-R90 LED boards with 64 LEDs

[MORE] each.

[BALLAST] One ULT Everline D21CC80UNVPW-C LED driver at 1670mA

[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 | 11899 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 142 |
| Total Luminaire Watts | 84 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.26 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.36 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 2.20 ft |
| Luminous Width (90-270) | 1.20 ft |
| Luminous Height | 0.23 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 13486 | 12567 | 12877 |
| 55 | 11920 | 10958 | 11599 |
| 65 | 10210 | 9174 | 9985 |
| 75 | 8343 | 7174 | 8127 |
| 85 | 5527 | 5084 | 5973 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1480.11 | N.A. | 12.40 |
| 0-30 | 3141.87 | N.A. | 26.40 |
| 0-40 | 5129.92 | N.A. | 43.10 |
| 0-60 | 8944.44 | N.A. | 75.20 |
| 0-80 | 11171.38 | N.A. | 93.90 |
| 0-90 | 11568.95 | N.A. | 97.20 |
| 10-90 | 11186.33 | N.A. | 94.00 |
| 20-40 | 3649.8 | N.A. | 30.70 |
| 20-50 | 5674.09 | N.A. | 47.70 |
| 40-70 | 5181.2 | N.A. | 43.50 |
| 60-80 | 2226.94 | N.A. | 18.70 |
| 70-80 | 860.27 | N.A. | 7.20 |
| 80-90 | 397.57 | N.A. | 3.30 |
| 90-110 | 238.19 | N.A. | 2.00 |
| 90-120 | 289.20 | N.A. | 2.40 |
| 90-130 | 315.90 | N.A. | 2.70 |
| 90-150 | 329.33 | N.A. | 2.80 |
| 90-180 | 329.89 | N.A. | 2.80 |
| 110-180 | 91.70 | N.A. | 0.80 |
| 0-180 | 11898.84 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 382.62 |
| 10-20 | 1097.49 |
| 20-30 | 1661.76 |
| 30-40 | 1988.04 |
| 40-50 | 2024.29 |
| 50-60 | 1790.24 |
| 60-70 | 1366.67 |
| 70-80 | 860.27 |
| 80-90 | 397.57 |
| 90-100 | 155.63 |
| 100-110 | 82.55 |
| 110-120 | 51.01 |
| 120-130 | 26.70 |
| 130-140 | 10.48 |
| 140-150 | 2.96 |
| 150-160 | 0.55 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

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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 | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |
| 1 | 107 | 102 | 98 | 94 | 104 | 100 | 96 | 92 | 95 | 92 | 89 | 91 | 88 | 85 | 87 | 84 | 82 | 80 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 83 | 78 | 73 | 79 | 75 | 71 | 76 | 72 | 69 | 66 |
| 3 | 89 | 78 | 70 | 63 | 86 | 76 | 69 | 63 | 73 | 66 | 61 | 70 | 64 | 60 | 67 | 62 | 58 | 56 |
| 4 | 81 | 69 | 60 | 54 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 62 | 56 | 51 | 60 | 54 | 50 | 48 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 58 | 51 | 45 | 56 | 49 | 44 | 54 | 48 | 44 | 41 |
| 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 | 39 | 34 | 45 | 39 | 34 | 32 |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 30 | 29 |
| 9 | 56 | 42 | 34 | 29 | 54 | 42 | 34 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 27 | 26 |
| 10 | 52 | 39 | 31 | 26 | 51 | 38 | 31 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |

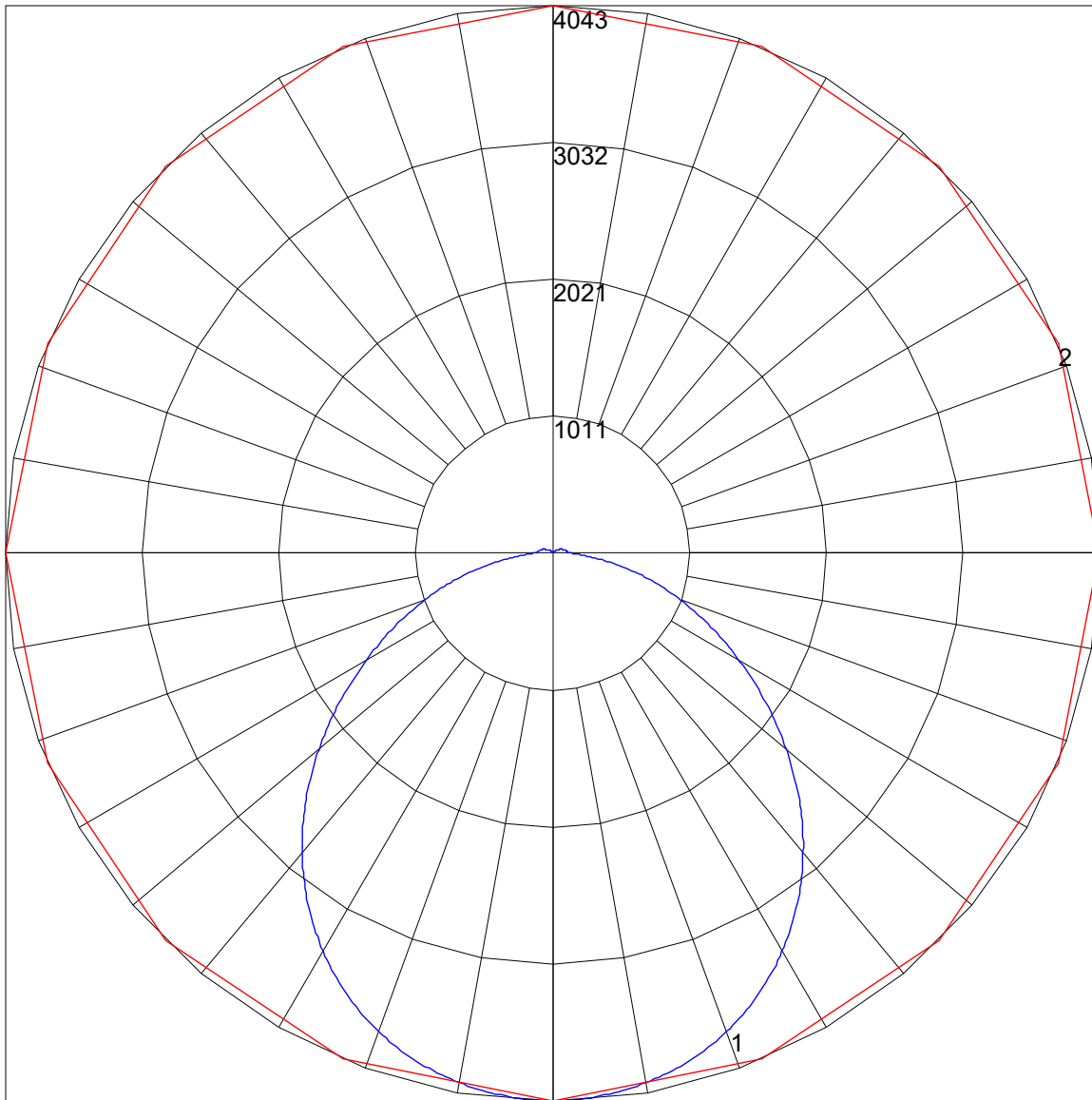
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UGR TABLE - CORRECTED

| 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 | | | | | UGR Viewed Endwise | | | | |
| X=2H | Y=2H | 19.8 | 21.3 | 20.2 | 21.7 | 22.1 | 20.4 | 22.0 | 20.9 | 22.4 | 22.8 |
| | 3H | 21.4 | 22.8 | 21.8 | 23.2 | 23.6 | 22.3 | 23.7 | 22.7 | 24.1 | 24.5 |
| | 4H | 22.0 | 23.3 | 22.4 | 23.7 | 24.2 | 23.0 | 24.3 | 23.4 | 24.8 | 25.2 |
| | 6H | 22.4 | 23.6 | 22.8 | 24.1 | 24.5 | 23.6 | 24.9 | 24.1 | 25.3 | 25.8 |
| | 8H | 22.5 | 23.7 | 23.0 | 24.2 | 24.6 | 23.9 | 25.1 | 24.3 | 25.5 | 26.0 |
| | 12H | 22.6 | 23.8 | 23.1 | 24.2 | 24.7 | 24.1 | 25.2 | 24.5 | 25.7 | 26.2 |
| 4H | 2H | 20.4 | 21.7 | 20.8 | 22.1 | 22.6 | 20.9 | 22.3 | 21.4 | 22.7 | 23.1 |
| | 3H | 22.2 | 23.3 | 22.7 | 23.8 | 24.3 | 23.0 | 24.1 | 23.4 | 24.6 | 25.0 |
| | 4H | 22.9 | 24.0 | 23.4 | 24.4 | 24.9 | 23.8 | 24.9 | 24.3 | 25.3 | 25.9 |
| | 6H | 23.5 | 24.4 | 24.0 | 24.9 | 25.4 | 24.6 | 25.5 | 25.1 | 26.0 | 26.5 |
| | 8H | 23.7 | 24.5 | 24.2 | 25.0 | 25.5 | 24.9 | 25.8 | 25.4 | 26.3 | 26.8 |
| | 12H | 23.8 | 24.6 | 24.3 | 25.1 | 25.6 | 25.2 | 26.0 | 25.7 | 26.5 | 27.0 |
| 8H | 4H | 23.3 | 24.1 | 23.8 | 24.6 | 25.1 | 24.1 | 24.9 | 24.6 | 25.4 | 26.0 |
| | 6H | 23.9 | 24.6 | 24.5 | 25.2 | 25.7 | 25.0 | 25.7 | 25.5 | 26.2 | 26.8 |
| | 8H | 24.2 | 24.8 | 24.7 | 25.4 | 25.9 | 25.4 | 26.0 | 25.9 | 26.6 | 27.1 |
| | 12H | 24.4 | 25.0 | 25.0 | 25.5 | 26.1 | 25.8 | 26.3 | 26.3 | 26.9 | 27.5 |
| 12H | 4H | 23.3 | 24.1 | 23.8 | 24.6 | 25.1 | 24.1 | 24.9 | 24.6 | 25.4 | 25.9 |
| | 6H | 24.0 | 24.7 | 24.6 | 25.2 | 25.8 | 25.0 | 25.7 | 25.6 | 26.2 | 26.8 |
| | 8H | 24.4 | 24.9 | 24.9 | 25.5 | 26.1 | 25.5 | 26.1 | 26.0 | 26.6 | 27.2 |

Maximum UGR = 27.5

POLAR GRAPH



Maximum Candela = 4042.738 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)