



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 VL UV FRA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-005(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 2 VL UV FRA 950

[LUMINAIRE] Surface/pendant mounted, formed white plastic housing, formed
[MORE] white painted steel LED tray/reflector, translucent linear stepped plastic
[MORE] lens.

[LAMP] 28 white LEDs on one LS3872A6-5000K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver at 180mA

[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 | 1155 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 125 |
| Total Luminaire Watts | 9.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.24 |
| Spacing Criterion (90-270) | 1.28 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 2.27 ft |
| Luminous Width (90-270) | 0.54 ft |
| Luminous Height | 0.16 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2657 | 2402 | 2337 |
| 55 | 2322 | 2076 | 2343 |
| 65 | 1920 | 1898 | 2204 |
| 75 | 1499 | 1570 | 1780 |
| 85 | 1020 | 1163 | 1282 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 137.24 | N.A. | 11.90 |
| 0-30 | 292.13 | N.A. | 25.30 |
| 0-40 | 476.88 | N.A. | 41.30 |
| 0-60 | 832.45 | N.A. | 72.10 |
| 0-80 | 1062.9 | N.A. | 92.10 |
| 0-90 | 1108.61 | N.A. | 96.00 |
| 10-90 | 1073.27 | N.A. | 93.00 |
| 20-40 | 339.64 | N.A. | 29.40 |
| 20-50 | 525.31 | N.A. | 45.50 |
| 40-70 | 494.39 | N.A. | 42.80 |
| 60-80 | 230.45 | N.A. | 20.00 |
| 70-80 | 91.64 | N.A. | 7.90 |
| 80-90 | 45.71 | N.A. | 4.00 |
| 90-110 | 34.33 | N.A. | 3.00 |
| 90-120 | 41.73 | N.A. | 3.60 |
| 90-130 | 44.95 | N.A. | 3.90 |
| 90-150 | 45.95 | N.A. | 4.00 |
| 90-180 | 45.99 | N.A. | 4.00 |
| 110-180 | 11.66 | N.A. | 1.00 |
| 0-180 | 1154.6 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 35.34 |
| 10-20 | 101.89 |
| 20-30 | 154.89 |
| 30-40 | 184.74 |
| 40-50 | 185.67 |
| 50-60 | 169.91 |
| 60-70 | 138.81 |
| 70-80 | 91.64 |
| 80-90 | 45.71 |
| 90-100 | 21.44 |
| 100-110 | 12.89 |
| 110-120 | 7.40 |
| 120-130 | 3.21 |
| 130-140 | 0.78 |
| 140-150 | 0.22 |
| 150-160 | 0.04 |
| 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 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 96 |
| 1 | 107 | 102 | 97 | 93 | 104 | 99 | 95 | 91 | 94 | 90 | 87 | 89 | 86 | 84 | 85 | 83 | 81 | 78 |
| 2 | 97 | 88 | 81 | 75 | 94 | 86 | 79 | 74 | 82 | 76 | 71 | 78 | 73 | 69 | 74 | 70 | 67 | 64 |
| 3 | 88 | 77 | 69 | 62 | 85 | 75 | 67 | 61 | 72 | 65 | 59 | 68 | 63 | 58 | 65 | 60 | 56 | 54 |
| 4 | 80 | 68 | 59 | 52 | 78 | 67 | 58 | 52 | 64 | 56 | 50 | 61 | 54 | 49 | 58 | 53 | 48 | 46 |
| 5 | 74 | 61 | 52 | 45 | 72 | 59 | 51 | 44 | 57 | 49 | 44 | 54 | 48 | 43 | 52 | 46 | 42 | 40 |
| 6 | 68 | 55 | 46 | 39 | 66 | 54 | 45 | 39 | 51 | 44 | 38 | 49 | 43 | 37 | 47 | 41 | 37 | 35 |
| 7 | 63 | 50 | 41 | 35 | 61 | 49 | 40 | 34 | 47 | 39 | 34 | 45 | 38 | 33 | 43 | 37 | 33 | 31 |
| 8 | 59 | 45 | 37 | 31 | 57 | 44 | 36 | 31 | 43 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 29 | 27 |
| 9 | 55 | 42 | 33 | 28 | 53 | 41 | 33 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 26 | 25 |
| 10 | 52 | 38 | 30 | 25 | 50 | 38 | 30 | 25 | 36 | 29 | 25 | 35 | 29 | 24 | 34 | 28 | 24 | 22 |

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UGR TABLE - CORRECTED

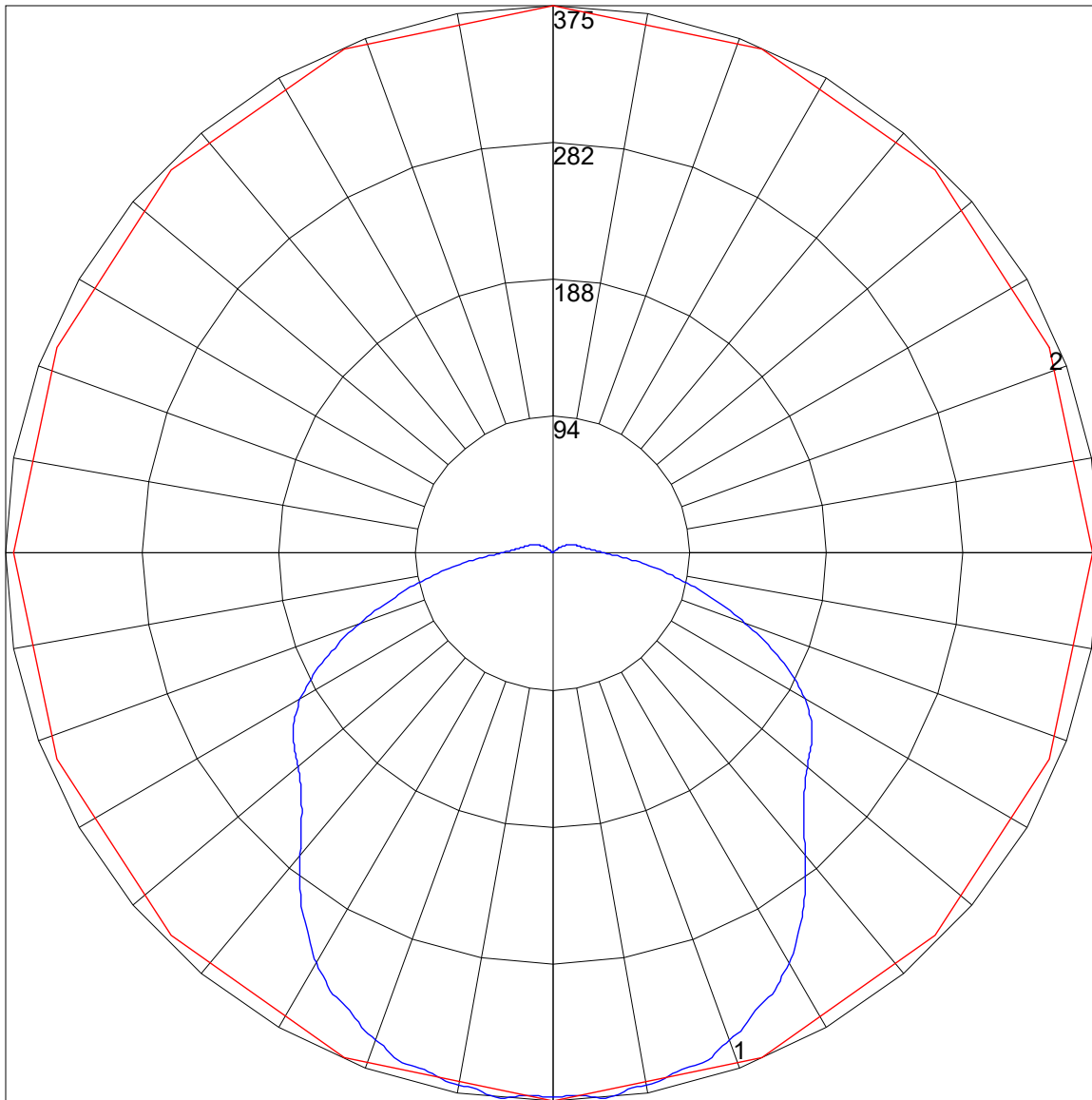
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 13.3 | 14.9 | 13.7 | 15.3 | 15.7 | 15.5 | 17.1 | 16.0 | 17.5 | 17.9 |
| | 3H | 14.7 | 16.1 | 15.1 | 16.5 | 17.0 | 17.8 | 19.2 | 18.2 | 19.6 | 20.1 |
| | 4H | 15.2 | 16.5 | 15.6 | 16.9 | 17.4 | 18.7 | 20.0 | 19.2 | 20.5 | 20.9 |
| | 6H | 15.5 | 16.7 | 16.0 | 17.2 | 17.7 | 19.5 | 20.7 | 20.0 | 21.2 | 21.7 |
| | 8H | 15.6 | 16.8 | 16.1 | 17.2 | 17.7 | 19.8 | 21.0 | 20.3 | 21.5 | 22.0 |
| | 12H | 15.6 | 16.8 | 16.1 | 17.2 | 17.8 | 20.1 | 21.3 | 20.6 | 21.7 | 22.3 |
| 4H | 2H | 14.2 | 15.5 | 14.6 | 16.0 | 16.4 | 15.9 | 17.3 | 16.4 | 17.7 | 18.2 |
| | 3H | 15.8 | 16.9 | 16.3 | 17.4 | 17.9 | 18.4 | 19.6 | 18.9 | 20.0 | 20.5 |
| | 4H | 16.4 | 17.4 | 16.9 | 17.9 | 18.4 | 19.5 | 20.5 | 20.0 | 21.0 | 21.5 |
| | 6H | 16.8 | 17.7 | 17.3 | 18.2 | 18.8 | 20.5 | 21.4 | 21.0 | 21.9 | 22.4 |
| | 8H | 16.9 | 17.8 | 17.5 | 18.3 | 18.9 | 20.9 | 21.7 | 21.4 | 22.2 | 22.8 |
| | 12H | 17.0 | 17.8 | 17.6 | 18.4 | 18.9 | 21.3 | 22.0 | 21.8 | 22.6 | 23.1 |
| 8H | 4H | 17.0 | 17.8 | 17.5 | 18.4 | 18.9 | 19.7 | 20.5 | 20.2 | 21.0 | 21.6 |
| | 6H | 17.5 | 18.3 | 18.1 | 18.8 | 19.4 | 20.8 | 21.5 | 21.3 | 22.1 | 22.6 |
| | 8H | 17.7 | 18.4 | 18.3 | 19.0 | 19.6 | 21.3 | 22.0 | 21.9 | 22.5 | 23.1 |
| | 12H | 17.9 | 18.5 | 18.5 | 19.0 | 19.7 | 21.8 | 22.4 | 22.4 | 23.0 | 23.6 |
| 12H | 4H | 17.1 | 17.9 | 17.6 | 18.4 | 19.0 | 19.7 | 20.5 | 20.2 | 21.0 | 21.6 |
| | 6H | 17.8 | 18.4 | 18.3 | 18.9 | 19.6 | 20.8 | 21.5 | 21.4 | 22.0 | 22.6 |
| | 8H | 18.0 | 18.6 | 18.6 | 19.2 | 19.8 | 21.4 | 22.0 | 22.0 | 22.5 | 23.2 |

Maximum UGR = 23.6

POLAR GRAPH



Maximum Candela = 375.352 Located At Horizontal Angle = 90, Vertical Angle = 5.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5.5) (Through Max. Cd.)