



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 VH 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 VH 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] 84 white LEDs on one LS3872A10-5000K-R90 LED board

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver at 830mA

[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	5232
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	36.7
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	12043	10884	10590
55	10522	9408	10618
65	8703	8600	9986
75	6793	7115	8066
85	4623	5272	5810

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	621.94	N.A.	11.90
0-30	1323.9	N.A.	25.30
0-40	2161.14	N.A.	41.30
0-60	3772.57	N.A.	72.10
0-80	4816.95	N.A.	92.10
0-90	5024.08	N.A.	96.00
10-90	4863.91	N.A.	93.00
20-40	1539.2	N.A.	29.40
20-50	2380.64	N.A.	45.50
40-70	2240.5	N.A.	42.80
60-80	1044.38	N.A.	20.00
70-80	415.30	N.A.	7.90
80-90	207.13	N.A.	4.00
90-110	155.58	N.A.	3.00
90-120	189.14	N.A.	3.60
90-130	203.70	N.A.	3.90
90-150	208.22	N.A.	4.00
90-180	208.41	N.A.	4.00
110-180	52.83	N.A.	1.00
0-180	5232.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	160.17
10-20	461.77
20-30	701.96
30-40	837.24
40-50	841.43
50-60	769.99
60-70	629.08
70-80	415.30
80-90	207.13
90-100	97.18
100-110	58.40
110-120	33.56
120-130	14.56
130-140	3.51
140-150	1.01
150-160	0.19
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	81	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	47	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**

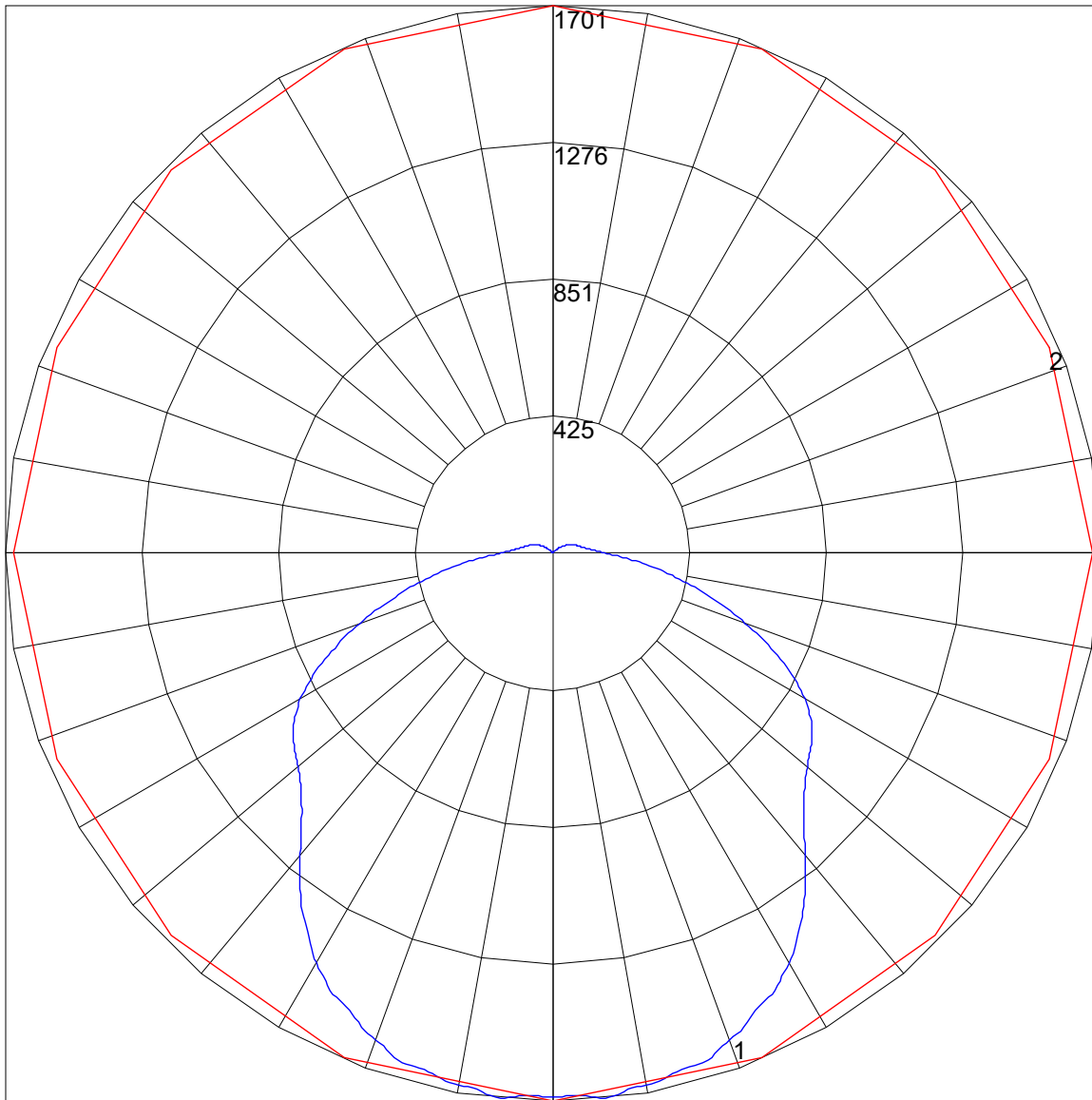
Reflectances

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	18.6	20.2	19.0	20.6	21.0	20.8	22.4	21.3	22.8	23.2
	3H	20.0	21.4	20.4	21.8	22.3	23.1	24.5	23.5	24.9	25.4
	4H	20.5	21.8	20.9	22.2	22.7	24.0	25.3	24.5	25.8	26.2
	6H	20.8	22.0	21.3	22.5	23.0	24.8	26.0	25.3	26.5	27.0
	8H	20.9	22.1	21.4	22.5	23.0	25.1	26.3	25.6	26.8	27.3
	12H	20.9	22.1	21.4	22.5	23.1	25.4	26.6	25.9	27.0	27.6
4H	2H	19.5	20.8	19.9	21.3	21.7	21.2	22.6	21.7	23.0	23.5
	3H	21.1	22.3	21.6	22.7	23.2	23.7	24.9	24.2	25.3	25.8
	4H	21.7	22.7	22.2	23.2	23.7	24.8	25.8	25.3	26.3	26.8
	6H	22.1	23.0	22.6	23.5	24.1	25.8	26.7	26.3	27.2	27.7
	8H	22.2	23.1	22.8	23.6	24.2	26.2	27.0	26.7	27.5	28.1
	12H	22.3	23.1	22.9	23.7	24.2	26.6	27.3	27.1	27.9	28.4
8H	4H	22.3	23.1	22.8	23.7	24.2	25.0	25.8	25.5	26.3	26.9
	6H	22.8	23.6	23.4	24.1	24.7	26.1	26.8	26.6	27.4	27.9
	8H	23.1	23.7	23.6	24.3	24.9	26.6	27.3	27.2	27.8	28.4
	12H	23.2	23.8	23.8	24.3	25.0	27.1	27.7	27.7	28.3	28.9
12H	4H	22.4	23.2	22.9	23.7	24.3	25.0	25.8	25.5	26.3	26.9
	6H	23.1	23.7	23.6	24.2	24.9	26.1	26.8	26.7	27.3	27.9
	8H	23.3	23.9	23.9	24.5	25.1	26.7	27.3	27.3	27.8	28.5

Maximum UGR = 28.9

POLAR GRAPH



Maximum Candela = 1701.046 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.)