



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 4 MD UV FRA 950.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-008A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 4 MD 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] 96 white LEDs on two LS3872A7-5000K-R90 LED boards with 48 LEDs  
[MORE] each.

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver labeled as 870mA

[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	5966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	44.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.27 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	7682	6661	6513
55	6591	5695	5860
65	5332	4849	5438
75	4072	4233	5047
85	2585	3831	4559

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	731.62	N.A.	12.30
0-30	1526.54	N.A.	25.60
0-40	2470.1	N.A.	41.40
0-60	4265.32	N.A.	71.50
0-80	5384.27	N.A.	90.20
0-90	5652.31	N.A.	94.70
10-90	5460.34	N.A.	91.50
20-40	1738.48	N.A.	29.10
20-50	2693.19	N.A.	45.10
40-70	2456.54	N.A.	41.20
60-80	1118.95	N.A.	18.80
70-80	457.63	N.A.	7.70
80-90	268.04	N.A.	4.50
90-110	244.16	N.A.	4.10
90-120	291.01	N.A.	4.90
90-130	309.23	N.A.	5.20
90-150	313.69	N.A.	5.30
90-180	314.02	N.A.	5.30
110-180	69.86	N.A.	1.20
0-180	5966.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	191.96
10-20	539.65
20-30	794.92
30-40	943.56
40-50	954.71
50-60	840.51
60-70	661.32
70-80	457.63
80-90	268.04
90-100	153.32
100-110	90.84
110-120	46.85
120-130	18.22
130-140	3.52
140-150	0.94
150-160	0.33
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	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	82	79	77
2	97	88	81	75	93	86	79	73	81	76	71	77	72	68	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	58	65	60	56	53
4	81	68	59	52	78	67	58	52	63	56	51	60	54	49	58	52	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	63	50	41	35	61	49	40	35	47	39	34	45	38	33	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	29	27
9	55	42	34	28	54	41	33	28	39	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	25	34	28	24	22

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**UGR TABLE - CORRECTED**

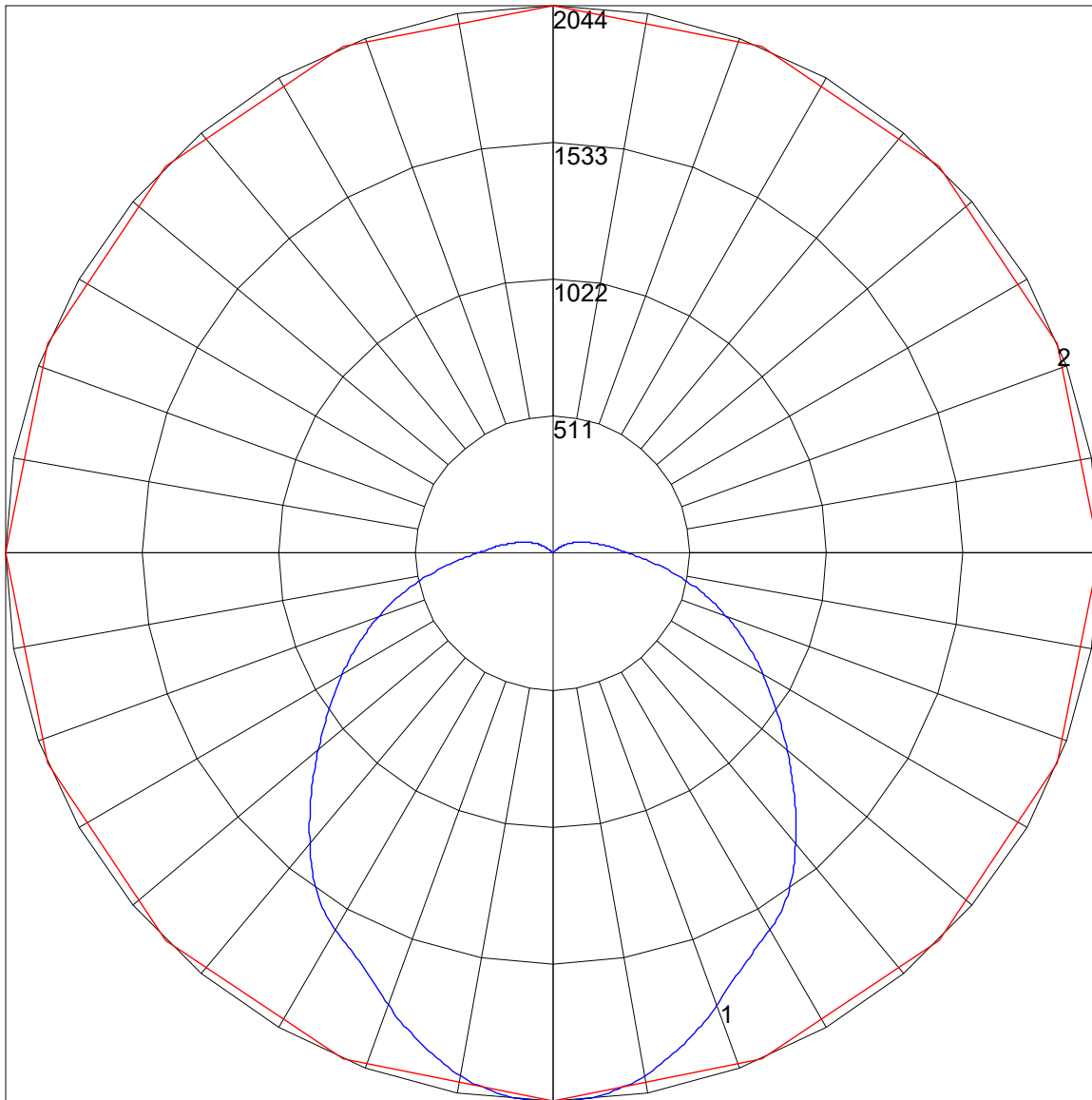
Reflectances

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	16.7	18.2	17.1	18.7	19.1	18.4	20.0	18.9	20.4	20.8
	3H	18.0	19.4	18.4	19.8	20.3	20.8	22.2	21.3	22.6	23.1
	4H	18.4	19.7	18.9	20.2	20.7	21.9	23.3	22.4	23.7	24.2
	6H	18.7	19.9	19.2	20.4	20.9	23.0	24.3	23.5	24.7	25.2
	8H	18.7	19.9	19.2	20.4	20.9	23.5	24.7	24.0	25.2	25.7
	12H	18.7	19.9	19.3	20.4	20.9	24.1	25.2	24.6	25.7	26.3
4H	2H	17.4	18.8	17.9	19.2	19.7	18.8	20.2	19.3	20.6	21.1
	3H	19.0	20.1	19.5	20.6	21.1	21.4	22.6	21.9	23.1	23.6
	4H	19.5	20.6	20.0	21.1	21.6	22.7	23.8	23.2	24.3	24.8
	6H	19.9	20.8	20.4	21.3	21.9	24.0	24.9	24.6	25.5	26.0
	8H	20.0	20.9	20.5	21.4	22.0	24.7	25.5	25.2	26.0	26.6
	12H	20.1	20.8	20.6	21.4	22.0	25.3	26.1	25.9	26.7	27.2
8H	4H	20.1	21.0	20.7	21.5	22.1	22.9	23.8	23.5	24.3	24.9
	6H	20.7	21.4	21.2	22.0	22.6	24.4	25.1	24.9	25.7	26.3
	8H	20.9	21.5	21.4	22.1	22.7	25.1	25.8	25.7	26.4	27.0
	12H	21.0	21.6	21.6	22.2	22.8	26.0	26.6	26.6	27.1	27.8
12H	4H	20.3	21.1	20.9	21.6	22.2	22.9	23.7	23.5	24.3	24.9
	6H	21.0	21.6	21.5	22.2	22.8	24.4	25.1	25.0	25.6	26.3
	8H	21.2	21.8	21.8	22.4	23.0	25.2	25.8	25.8	26.4	27.1

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 2043.89 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)