



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 MD UV FRA 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-005(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 2 MD UV FRA 935

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

[LAMP] 64 white LEDs on one LS3872A8-3500K-R90 LED board

[BALLAST] One ULT Everline D10CC30UNVPW-C LED driver at 440mA

[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	3137
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	23.9
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	7219	6524	6348
55	6307	5640	6365
65	5217	5155	5986
75	4072	4265	4835
85	2771	3160	3483

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	372.82	N.A.	11.90
0-30	793.61	N.A.	25.30
0-40	1295.49	N.A.	41.30
0-60	2261.45	N.A.	72.10
0-80	2887.5	N.A.	92.10
0-90	3011.67	N.A.	96.00
10-90	2915.66	N.A.	93.00
20-40	922.67	N.A.	29.40
20-50	1427.06	N.A.	45.50
40-70	1343.06	N.A.	42.80
60-80	626.05	N.A.	20.00
70-80	248.95	N.A.	7.90
80-90	124.17	N.A.	4.00
90-110	93.26	N.A.	3.00
90-120	113.38	N.A.	3.60
90-130	122.11	N.A.	3.90
90-150	124.82	N.A.	4.00
90-180	124.93	N.A.	4.00
110-180	31.67	N.A.	1.00
0-180	3136.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	96.01
10-20	276.81
20-30	420.79
30-40	501.88
40-50	504.39
50-60	461.57
60-70	377.10
70-80	248.95
80-90	124.17
90-100	58.25
100-110	35.01
110-120	20.12
120-130	8.73
130-140	2.11
140-150	0.61
150-160	0.12
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	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**

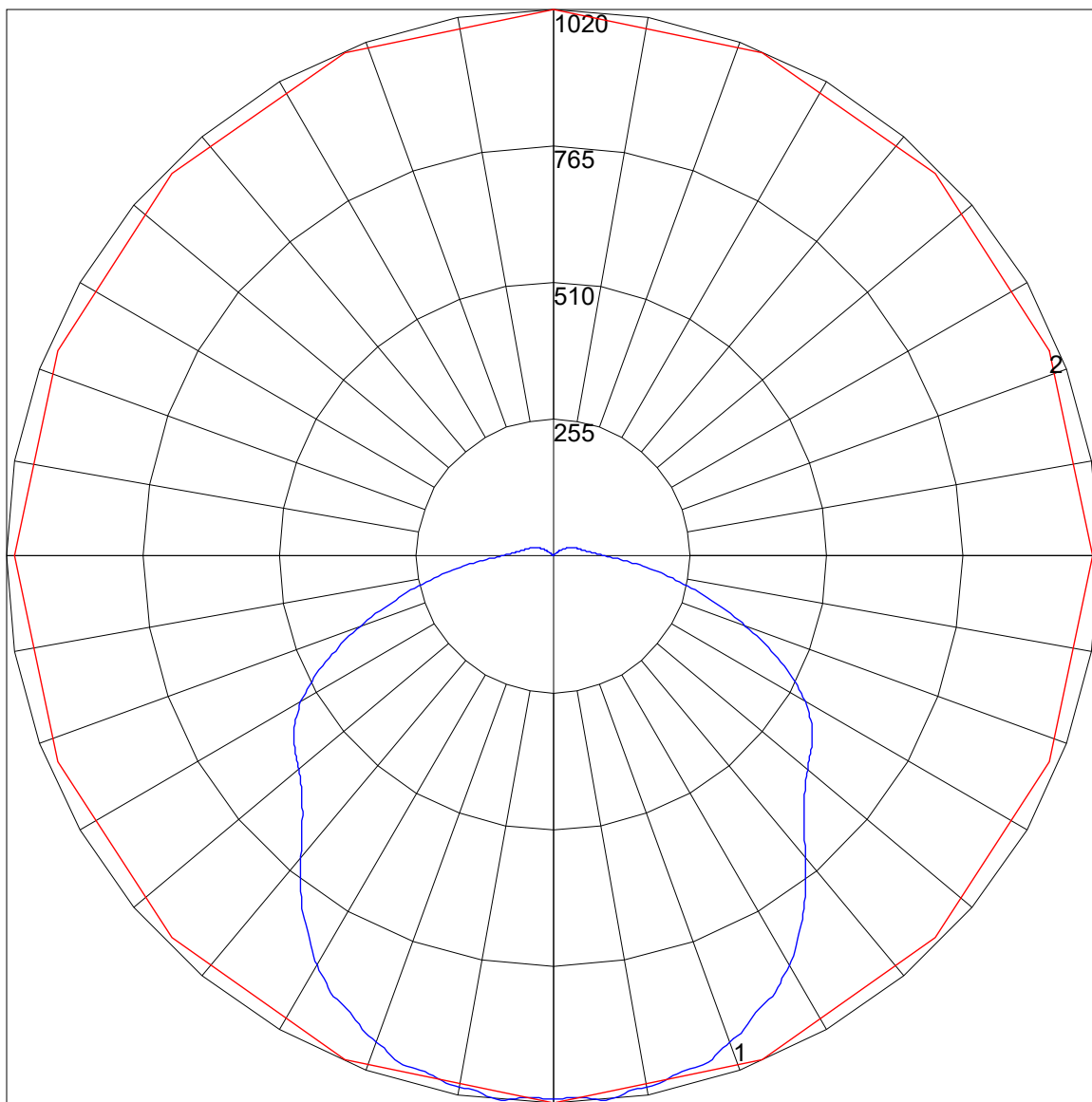
Reflectances

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	16.8	18.4	17.2	18.8	19.2	19.0	20.6	19.5	21.0	21.4
	3H	18.2	19.6	18.6	20.0	20.5	21.3	22.7	21.7	23.1	23.6
	4H	18.7	20.0	19.1	20.4	20.9	22.2	23.5	22.7	24.0	24.4
	6H	19.0	20.2	19.5	20.7	21.2	23.0	24.2	23.5	24.7	25.2
	8H	19.1	20.3	19.6	20.7	21.2	23.3	24.5	23.8	25.0	25.5
	12H	19.1	20.3	19.6	20.7	21.3	23.6	24.8	24.1	25.2	25.8
4H	2H	17.7	19.0	18.1	19.5	19.9	19.4	20.8	19.9	21.2	21.7
	3H	19.3	20.4	19.8	20.9	21.4	21.9	23.1	22.4	23.5	24.0
	4H	19.9	20.9	20.4	21.4	21.9	23.0	24.0	23.5	24.5	25.0
	6H	20.3	21.2	20.8	21.7	22.3	24.0	24.9	24.5	25.4	25.9
	8H	20.4	21.3	21.0	21.8	22.4	24.4	25.2	24.9	25.7	26.3
	12H	20.5	21.3	21.1	21.9	22.4	24.8	25.5	25.3	26.1	26.6
8H	4H	20.5	21.3	21.0	21.9	22.4	23.2	24.0	23.7	24.5	25.1
	6H	21.0	21.8	21.6	22.3	22.9	24.3	25.0	24.8	25.6	26.1
	8H	21.3	21.9	21.8	22.5	23.1	24.8	25.5	25.4	26.0	26.6
	12H	21.4	22.0	22.0	22.5	23.2	25.3	25.9	25.9	26.5	27.1
12H	4H	20.6	21.4	21.1	21.9	22.5	23.2	24.0	23.7	24.5	25.1
	6H	21.3	21.9	21.8	22.4	23.1	24.3	25.0	24.9	25.5	26.1
	8H	21.5	22.1	22.1	22.7	23.3	24.9	25.5	25.5	26.0	26.7

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 1019.685 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.)