



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 MD UV FRA 940.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 MD UV FRA 940

[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 LS3872A8-4000K-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	3211
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
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	7390	6679	6499
55	6457	5774	6516
65	5341	5278	6128
75	4169	4366	4950
85	2837	3235	3566

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	381.68	N.A.	11.90
0-30	812.46	N.A.	25.30
0-40	1326.26	N.A.	41.30
0-60	2315.16	N.A.	72.10
0-80	2956.08	N.A.	92.10
0-90	3083.2	N.A.	96.00
10-90	2984.91	N.A.	93.00
20-40	944.58	N.A.	29.40
20-50	1460.96	N.A.	45.50
40-70	1374.96	N.A.	42.80
60-80	640.92	N.A.	20.00
70-80	254.87	N.A.	7.90
80-90	127.11	N.A.	4.00
90-110	95.48	N.A.	3.00
90-120	116.07	N.A.	3.60
90-130	125.01	N.A.	3.90
90-150	127.78	N.A.	4.00
90-180	127.90	N.A.	4.00
110-180	32.42	N.A.	1.00
0-180	3211.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	98.29
10-20	283.38
20-30	430.78
30-40	513.80
40-50	516.37
50-60	472.53
60-70	386.05
70-80	254.87
80-90	127.11
90-100	59.64
100-110	35.84
110-120	20.59
120-130	8.94
130-140	2.16
140-150	0.62
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

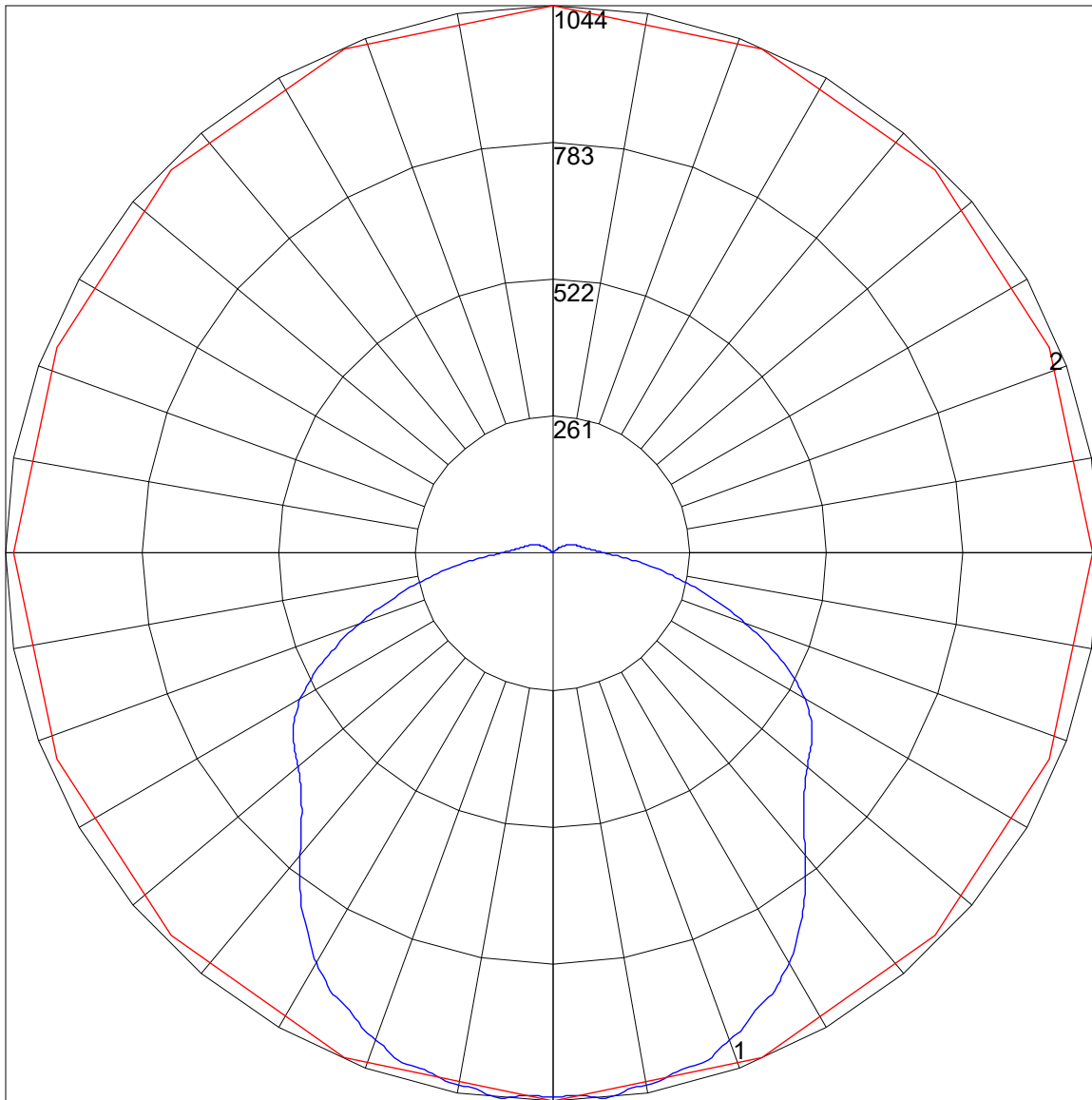
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**UGR TABLE - CORRECTED**

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	16.9	18.5	17.3	18.9	19.3	19.1	20.7	19.6	21.1	21.5
	3H	18.3	19.7	18.7	20.1	20.6	21.4	22.8	21.8	23.2	23.7
	4H	18.8	20.1	19.2	20.5	21.0	22.3	23.6	22.8	24.1	24.5
	6H	19.1	20.3	19.6	20.8	21.3	23.1	24.3	23.6	24.8	25.3
	8H	19.2	20.4	19.7	20.8	21.3	23.4	24.6	23.9	25.1	25.6
	12H	19.2	20.4	19.7	20.8	21.4	23.7	24.9	24.2	25.3	25.9
4H	2H	17.8	19.1	18.2	19.6	20.0	19.5	20.9	20.0	21.3	21.8
	3H	19.4	20.6	19.9	21.0	21.5	22.0	23.2	22.5	23.6	24.1
	4H	20.0	21.0	20.5	21.5	22.0	23.1	24.1	23.6	24.6	25.1
	6H	20.4	21.3	20.9	21.9	22.4	24.1	25.0	24.6	25.5	26.0
	8H	20.5	21.4	21.1	21.9	22.5	24.5	25.3	25.0	25.8	26.4
	12H	20.6	21.4	21.2	22.0	22.5	24.9	25.6	25.4	26.2	26.7
8H	4H	20.6	21.4	21.1	22.0	22.5	23.3	24.1	23.8	24.6	25.2
	6H	21.2	21.9	21.7	22.4	23.0	24.4	25.1	24.9	25.7	26.2
	8H	21.4	22.0	21.9	22.6	23.2	24.9	25.6	25.5	26.1	26.7
	12H	21.5	22.1	22.1	22.6	23.3	25.4	26.0	26.0	26.6	27.2
12H	4H	20.7	21.5	21.2	22.0	22.6	23.3	24.1	23.8	24.6	25.2
	6H	21.4	22.0	21.9	22.5	23.2	24.4	25.1	25.0	25.6	26.2
	8H	21.6	22.2	22.2	22.8	23.4	25.0	25.6	25.6	26.1	26.8

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1043.904 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.)