



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 LW UV FRA 930.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 LW UV FRA 930

[LUMINAIRE] Surface/pendant mounted, formed white plastic housing, formed

[MORE] white painted steel LED tray/reflector, translucent linear stepped plastic

[MORE] lens.

[LAMP] 48 white LEDs on one LS3872A7-3000K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver at 300mA

[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	2135
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	15.2
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	4914	4441	4321
55	4294	3839	4333
65	3551	3509	4075
75	2772	2903	3291
85	1886	2151	2371

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	253.79	N.A.	11.90
0-30	540.23	N.A.	25.30
0-40	881.88	N.A.	41.30
0-60	1539.43	N.A.	72.10
0-80	1965.6	N.A.	92.10
0-90	2050.13	N.A.	96.00
10-90	1984.77	N.A.	93.00
20-40	628.09	N.A.	29.40
20-50	971.44	N.A.	45.50
40-70	914.26	N.A.	42.80
60-80	426.17	N.A.	20.00
70-80	169.47	N.A.	7.90
80-90	84.52	N.A.	4.00
90-110	63.49	N.A.	3.00
90-120	77.18	N.A.	3.60
90-130	83.12	N.A.	3.90
90-150	84.97	N.A.	4.00
90-180	85.05	N.A.	4.00
110-180	21.56	N.A.	1.00
0-180	2135.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	65.36
10-20	188.43
20-30	286.44
30-40	341.64
40-50	343.36
50-60	314.20
60-70	256.70
70-80	169.47
80-90	84.52
90-100	39.66
100-110	23.83
110-120	13.69
120-130	5.94
130-140	1.43
140-150	0.41
150-160	0.08
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**

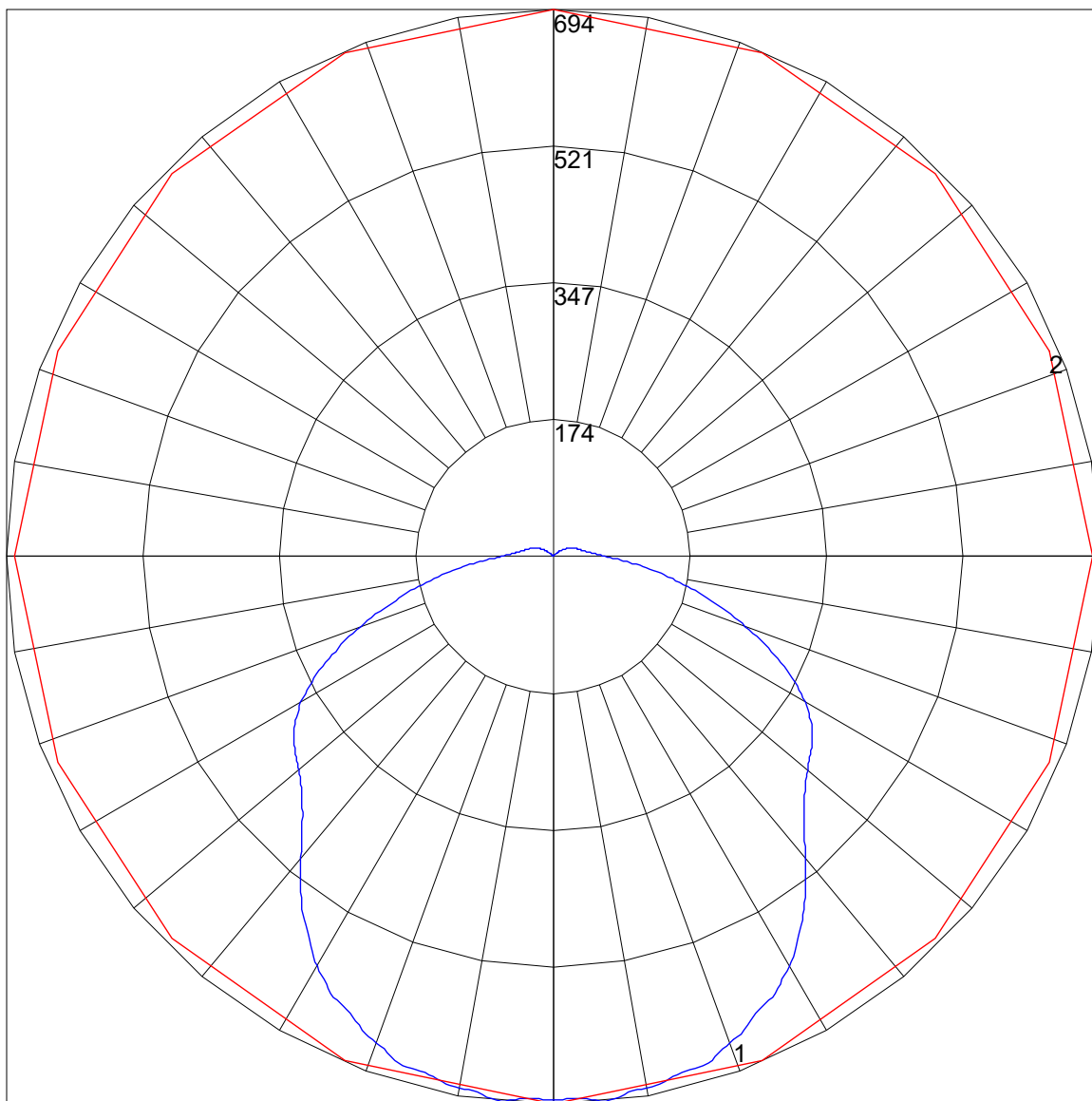
Reflectances

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	15.4	17.0	15.8	17.4	17.8	17.6	19.2	18.1	19.6	20.0
	3H	16.8	18.2	17.2	18.6	19.1	19.9	21.3	20.3	21.7	22.2
	4H	17.3	18.6	17.7	19.0	19.5	20.8	22.1	21.3	22.6	23.0
	6H	17.6	18.8	18.1	19.3	19.8	21.6	22.8	22.1	23.3	23.8
	8H	17.7	18.9	18.2	19.3	19.8	21.9	23.1	22.4	23.6	24.1
	12H	17.7	18.9	18.2	19.3	19.9	22.2	23.4	22.7	23.9	24.4
4H	2H	16.3	17.6	16.7	18.1	18.5	18.0	19.4	18.5	19.8	20.3
	3H	17.9	19.1	18.4	19.5	20.0	20.5	21.7	21.0	22.1	22.6
	4H	18.5	19.5	19.0	20.0	20.5	21.6	22.6	22.1	23.1	23.6
	6H	18.9	19.8	19.4	20.4	20.9	22.6	23.5	23.1	24.0	24.5
	8H	19.0	19.9	19.6	20.4	21.0	23.0	23.8	23.5	24.3	24.9
	12H	19.1	19.9	19.7	20.5	21.0	23.4	24.1	23.9	24.7	25.2
8H	4H	19.1	19.9	19.6	20.5	21.0	21.8	22.6	22.3	23.1	23.7
	6H	19.7	20.4	20.2	20.9	21.5	22.9	23.6	23.4	24.2	24.7
	8H	19.9	20.5	20.4	21.1	21.7	23.4	24.1	24.0	24.6	25.2
	12H	20.0	20.6	20.6	21.1	21.8	23.9	24.5	24.5	25.1	25.7
12H	4H	19.2	20.0	19.7	20.5	21.1	21.8	22.6	22.3	23.1	23.7
	6H	19.9	20.5	20.4	21.0	21.7	22.9	23.6	23.5	24.1	24.7
	8H	20.1	20.7	20.7	21.3	21.9	23.5	24.1	24.1	24.6	25.3

Maximum UGR = 25.7

POLAR GRAPH



Maximum Candela = 694.129 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.)