



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 HI 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 HI 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] 64 white LEDs on one LS3872A8-3000K-R90 LED board

[BALLAST] One ULT Everline D10CC30UNVPW-C LED driver at 590mA

[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	4111
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	30.5
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	9462	8552	8321
55	8267	7392	8343
65	6838	6758	7847
75	5338	5591	6338
85	3632	4142	4565

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	488.69	N.A.	11.90
0-30	1040.25	N.A.	25.30
0-40	1698.11	N.A.	41.30
0-60	2964.27	N.A.	72.10
0-80	3784.89	N.A.	92.10
0-90	3947.65	N.A.	96.00
10-90	3821.79	N.A.	93.00
20-40	1209.42	N.A.	29.40
20-50	1870.57	N.A.	45.50
40-70	1760.46	N.A.	42.80
60-80	820.62	N.A.	20.00
70-80	326.32	N.A.	7.90
80-90	162.75	N.A.	4.00
90-110	122.25	N.A.	3.00
90-120	148.61	N.A.	3.60
90-130	160.05	N.A.	3.90
90-150	163.61	N.A.	4.00
90-180	163.76	N.A.	4.00
110-180	41.51	N.A.	1.00
0-180	4111.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.85
10-20	362.84
20-30	551.56
30-40	657.86
40-50	661.15
50-60	605.02
60-70	494.29
70-80	326.32
80-90	162.75
90-100	76.36
100-110	45.89
110-120	26.37
120-130	11.44
130-140	2.76
140-150	0.79
150-160	0.15
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

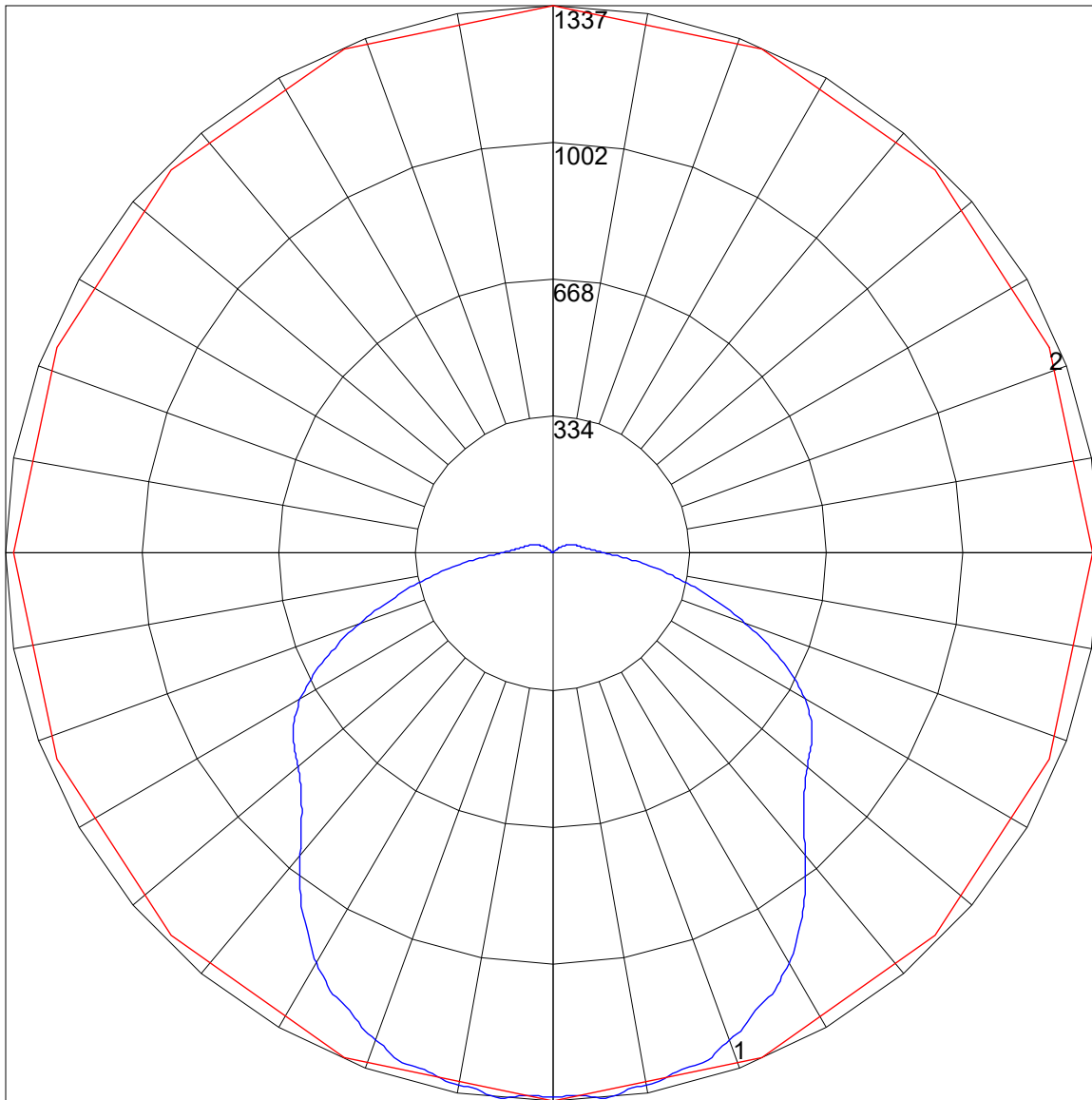
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	17.7	19.3	18.1	19.7	20.1	19.9	21.5	20.4	21.9	22.3
	3H	19.1	20.5	19.5	20.9	21.4	22.2	23.6	22.6	24.0	24.5
	4H	19.6	20.9	20.0	21.3	21.8	23.1	24.4	23.6	24.9	25.3
	6H	19.9	21.1	20.4	21.6	22.1	23.9	25.1	24.4	25.6	26.1
	8H	20.0	21.2	20.5	21.6	22.1	24.2	25.4	24.7	25.9	26.4
	12H	20.0	21.2	20.5	21.6	22.2	24.5	25.7	25.0	26.1	26.7
4H	2H	18.6	19.9	19.0	20.4	20.8	20.3	21.7	20.8	22.1	22.6
	3H	20.2	21.3	20.7	21.8	22.3	22.8	24.0	23.3	24.4	24.9
	4H	20.8	21.8	21.3	22.3	22.8	23.9	24.9	24.4	25.4	25.9
	6H	21.2	22.1	21.7	22.6	23.2	24.9	25.8	25.4	26.3	26.8
	8H	21.3	22.2	21.9	22.7	23.3	25.3	26.1	25.8	26.6	27.2
	12H	21.4	22.2	22.0	22.8	23.3	25.7	26.4	26.2	27.0	27.5
8H	4H	21.4	22.2	21.9	22.8	23.3	24.1	24.9	24.6	25.4	26.0
	6H	21.9	22.7	22.5	23.2	23.8	25.2	25.9	25.7	26.5	27.0
	8H	22.1	22.8	22.7	23.4	24.0	25.7	26.4	26.3	26.9	27.5
	12H	22.3	22.9	22.9	23.4	24.1	26.2	26.8	26.8	27.4	28.0
12H	4H	21.5	22.3	22.0	22.8	23.4	24.1	24.9	24.6	25.4	26.0
	6H	22.2	22.8	22.7	23.3	24.0	25.2	25.9	25.8	26.4	27.0
	8H	22.4	23.0	23.0	23.6	24.2	25.8	26.4	26.4	26.9	27.6

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 1336.587 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.)