



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 VL 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 VL 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] 28 white LEDs on one LS3872A6-3500K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver at 180mA

[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	1128
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	9.2
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	2596	2346	2283
55	2268	2028	2289
65	1876	1854	2152
75	1464	1534	1739
85	996	1136	1252

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	134.05	N.A.	11.90
0-30	285.35	N.A.	25.30
0-40	465.81	N.A.	41.30
0-60	813.14	N.A.	72.10
0-80	1038.25	N.A.	92.10
0-90	1082.89	N.A.	96.00
10-90	1048.37	N.A.	93.00
20-40	331.76	N.A.	29.40
20-50	513.12	N.A.	45.50
40-70	482.92	N.A.	42.80
60-80	225.11	N.A.	20.00
70-80	89.51	N.A.	7.90
80-90	44.65	N.A.	4.00
90-110	33.53	N.A.	3.00
90-120	40.77	N.A.	3.60
90-130	43.90	N.A.	3.90
90-150	44.88	N.A.	4.00
90-180	44.92	N.A.	4.00
110-180	11.39	N.A.	1.00
0-180	1127.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	34.52
10-20	99.53
20-30	151.30
30-40	180.46
40-50	181.36
50-60	165.96
60-70	135.59
70-80	89.51
80-90	44.65
90-100	20.95
100-110	12.59
110-120	7.23
120-130	3.14
130-140	0.76
140-150	0.22
150-160	0.04
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

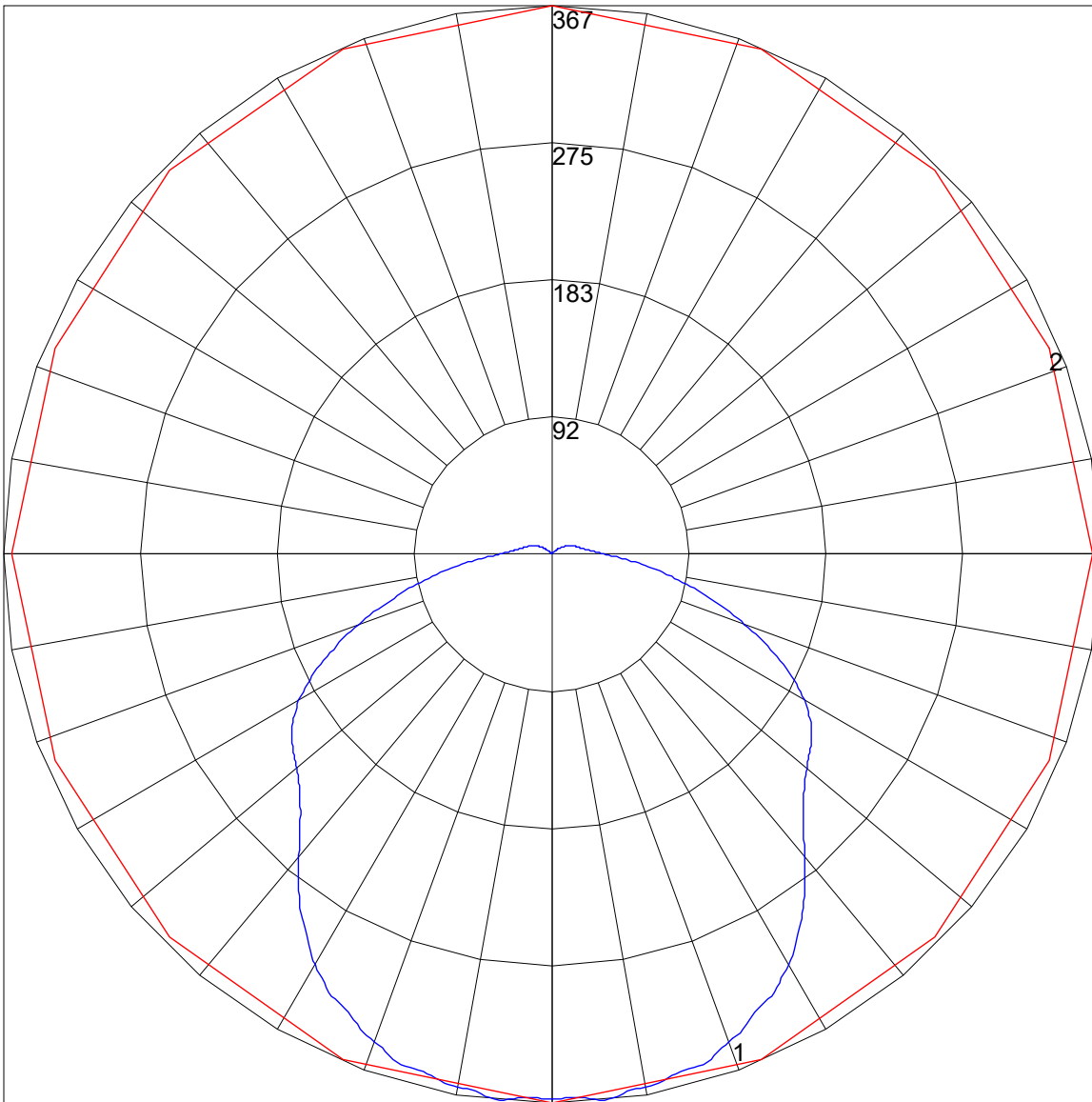
Reflectances

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	13.2	14.8	13.6	15.2	15.6	15.4	17.0	15.9	17.4	17.8
	3H	14.6	16.0	15.0	16.4	16.9	17.7	19.1	18.1	19.5	20.0
	4H	15.1	16.4	15.5	16.8	17.3	18.6	19.9	19.1	20.4	20.8
	6H	15.4	16.6	15.9	17.1	17.6	19.4	20.6	19.9	21.1	21.6
	8H	15.5	16.7	16.0	17.1	17.6	19.7	20.9	20.2	21.4	21.9
	12H	15.5	16.7	16.0	17.1	17.7	20.0	21.2	20.5	21.6	22.2
4H	2H	14.1	15.4	14.5	15.9	16.3	15.8	17.2	16.3	17.6	18.1
	3H	15.7	16.9	16.2	17.3	17.8	18.3	19.5	18.8	19.9	20.4
	4H	16.3	17.3	16.8	17.8	18.3	19.4	20.4	19.9	20.9	21.4
	6H	16.7	17.6	17.2	18.1	18.7	20.4	21.3	20.9	21.8	22.3
	8H	16.8	17.7	17.4	18.2	18.8	20.8	21.6	21.3	22.1	22.7
	12H	16.9	17.7	17.5	18.3	18.8	21.2	21.9	21.7	22.5	23.0
8H	4H	16.9	17.7	17.4	18.3	18.8	19.6	20.4	20.1	20.9	21.5
	6H	17.4	18.2	18.0	18.7	19.3	20.7	21.4	21.2	22.0	22.5
	8H	17.7	18.3	18.2	18.9	19.5	21.2	21.9	21.8	22.4	23.0
	12H	17.8	18.4	18.4	18.9	19.6	21.7	22.3	22.3	22.9	23.5
12H	4H	17.0	17.8	17.5	18.3	18.9	19.6	20.4	20.1	20.9	21.5
	6H	17.7	18.3	18.2	18.8	19.5	20.7	21.4	21.3	21.9	22.5
	8H	17.9	18.5	18.5	19.1	19.7	21.3	21.9	21.9	22.4	23.1

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 366.643 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.)