



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 VH 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 VH 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] 84 white LEDs on one LS3872A10-3500K-R90 LED board

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver at 830mA

[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	5111
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	36.7
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	11763	10631	10344
55	10278	9190	10372
65	8501	8401	9754
75	6636	6950	7879
85	4515	5149	5675

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	607.51	N.A.	11.90
0-30	1293.19	N.A.	25.30
0-40	2111.00	N.A.	41.30
0-60	3685.05	N.A.	72.10
0-80	4705.2	N.A.	92.10
0-90	4907.53	N.A.	96.00
10-90	4751.07	N.A.	93.00
20-40	1503.49	N.A.	29.40
20-50	2325.4	N.A.	45.50
40-70	2188.52	N.A.	42.80
60-80	1020.15	N.A.	20.00
70-80	405.67	N.A.	7.90
80-90	202.33	N.A.	4.00
90-110	151.97	N.A.	3.00
90-120	184.75	N.A.	3.60
90-130	198.97	N.A.	3.90
90-150	203.39	N.A.	4.00
90-180	203.58	N.A.	4.00
110-180	51.61	N.A.	1.00
0-180	5111.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.45
10-20	451.06
20-30	685.68
30-40	817.82
40-50	821.91
50-60	752.13
60-70	614.48
70-80	405.67
80-90	202.33
90-100	94.93
100-110	57.04
110-120	32.78
120-130	14.22
130-140	3.43
140-150	0.99
150-160	0.19
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

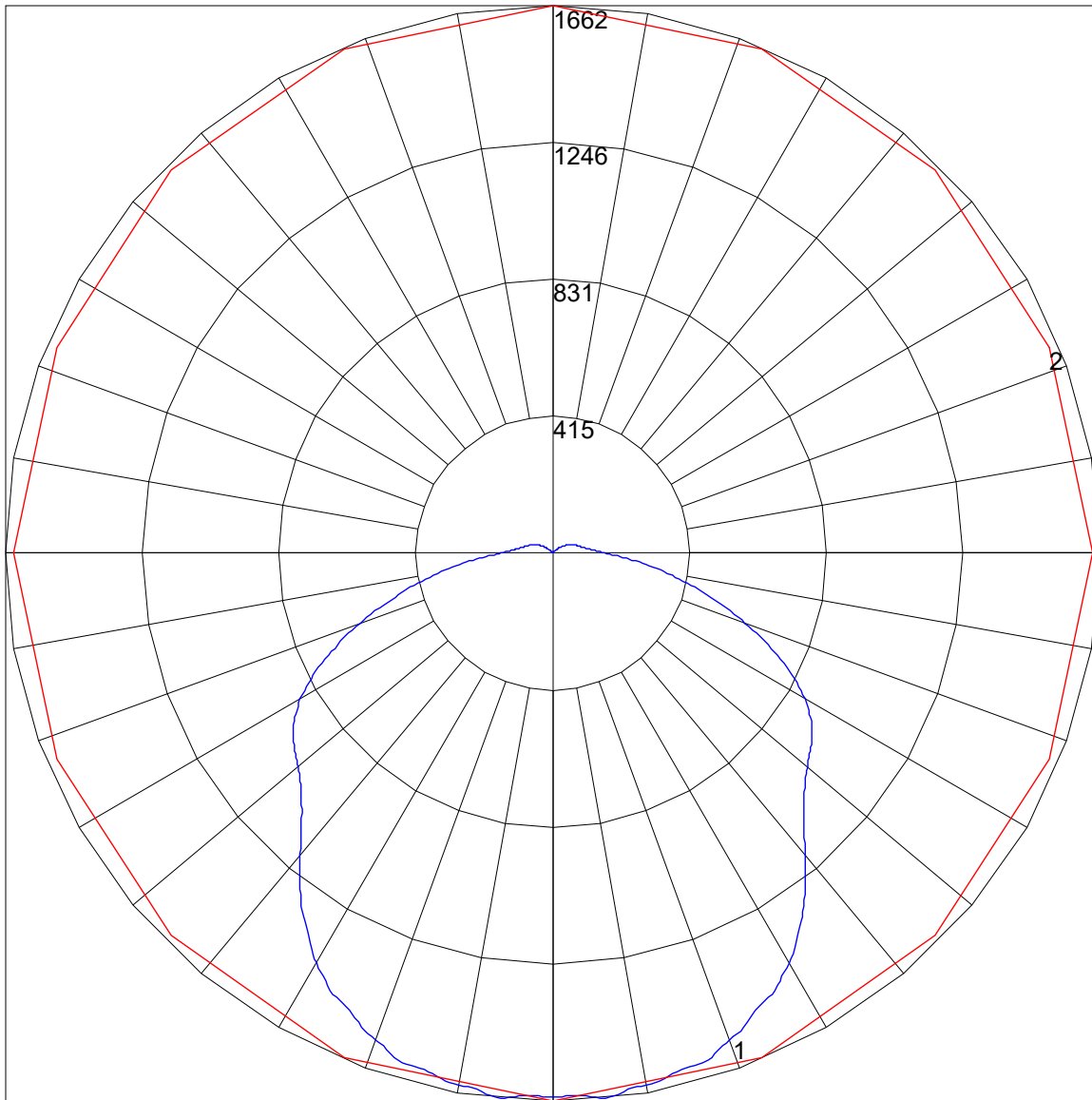
Reflectances

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	18.5	20.1	18.9	20.5	20.9	20.7	22.3	21.2	22.7	23.1
	3H	19.9	21.3	20.3	21.7	22.2	23.0	24.4	23.4	24.8	25.3
	4H	20.4	21.7	20.8	22.1	22.6	23.9	25.2	24.4	25.7	26.1
	6H	20.7	21.9	21.2	22.4	22.9	24.7	25.9	25.2	26.4	26.9
	8H	20.8	22.0	21.3	22.4	22.9	25.0	26.2	25.5	26.7	27.2
	12H	20.8	22.0	21.3	22.4	23.0	25.3	26.5	25.8	26.9	27.5
4H	2H	19.4	20.7	19.8	21.2	21.6	21.1	22.5	21.6	22.9	23.4
	3H	21.0	22.2	21.5	22.6	23.1	23.6	24.8	24.1	25.2	25.7
	4H	21.6	22.6	22.1	23.1	23.6	24.7	25.7	25.2	26.2	26.7
	6H	22.0	22.9	22.5	23.5	24.0	25.7	26.6	26.2	27.1	27.6
	8H	22.1	23.0	22.7	23.5	24.1	26.1	26.9	26.6	27.4	28.0
	12H	22.2	23.0	22.8	23.6	24.1	26.5	27.2	27.0	27.8	28.3
8H	4H	22.2	23.0	22.7	23.6	24.1	24.9	25.7	25.4	26.2	26.8
	6H	22.7	23.5	23.3	24.0	24.6	26.0	26.7	26.5	27.3	27.8
	8H	23.0	23.6	23.5	24.2	24.8	26.5	27.2	27.1	27.7	28.3
	12H	23.1	23.7	23.7	24.2	24.9	27.0	27.6	27.6	28.2	28.8
12H	4H	22.3	23.1	22.8	23.6	24.2	24.9	25.7	25.4	26.2	26.8
	6H	23.0	23.6	23.5	24.1	24.8	26.0	26.7	26.6	27.2	27.8
	8H	23.2	23.8	23.8	24.4	25.0	26.6	27.2	27.2	27.7	28.4

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 1661.581 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.)