



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 8 VH UV FRA 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-008A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 8 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] 336 white LEDs on four LS3872A10-3500K-R90 LED boards with 84 LEDs  
[MORE] each.

[BALLAST] Two ULT Everline D21CC80UNVPW-C LED drivers labeled as 1630mA

[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	19213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	142.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.27 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	12996	11190	10830
55	11229	9600	9745
65	9190	8210	9043
75	7188	7220	8393
85	5012	6632	7581

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NVL G2 8 VH UV FRA 935.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2356.03	N.A.	12.30
0-30	4915.93	N.A.	25.60
0-40	7954.49	N.A.	41.40
0-60	13735.65	N.A.	71.50
0-80	17339.01	N.A.	90.20
0-90	18202.17	N.A.	94.70
10-90	17583.99	N.A.	91.50
20-40	5598.46	N.A.	29.10
20-50	8672.91	N.A.	45.10
40-70	7910.81	N.A.	41.20
60-80	3603.36	N.A.	18.80
70-80	1473.71	N.A.	7.70
80-90	863.16	N.A.	4.50
90-110	786.27	N.A.	4.10
90-120	937.13	N.A.	4.90
90-130	995.82	N.A.	5.20
90-150	1010.19	N.A.	5.30
90-180	1011.25	N.A.	5.30
110-180	224.98	N.A.	1.20
0-180	19213.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	618.18
10-20	1737.85
20-30	2559.9
30-40	3038.56
40-50	3074.45
50-60	2706.7
60-70	2129.65
70-80	1473.71
80-90	863.16
90-100	493.75
100-110	292.52
110-120	150.86
120-130	58.69
130-140	11.35
140-150	3.02
150-160	1.06
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NVL G2 8 VH UV FRA 935.IES**

**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	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	82	79	77
2	97	88	81	75	93	85	79	73	81	76	71	77	72	68	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	58	65	60	56	53
4	81	68	59	52	78	67	58	52	63	56	51	60	54	49	58	52	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	63	50	41	35	61	49	40	35	47	39	34	45	38	33	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	29	27
9	55	42	34	28	54	41	33	28	39	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	25	34	28	24	22

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NVL G2 8 VH UV FRA 935.IES**

**UGR TABLE - CORRECTED**

Reflectances

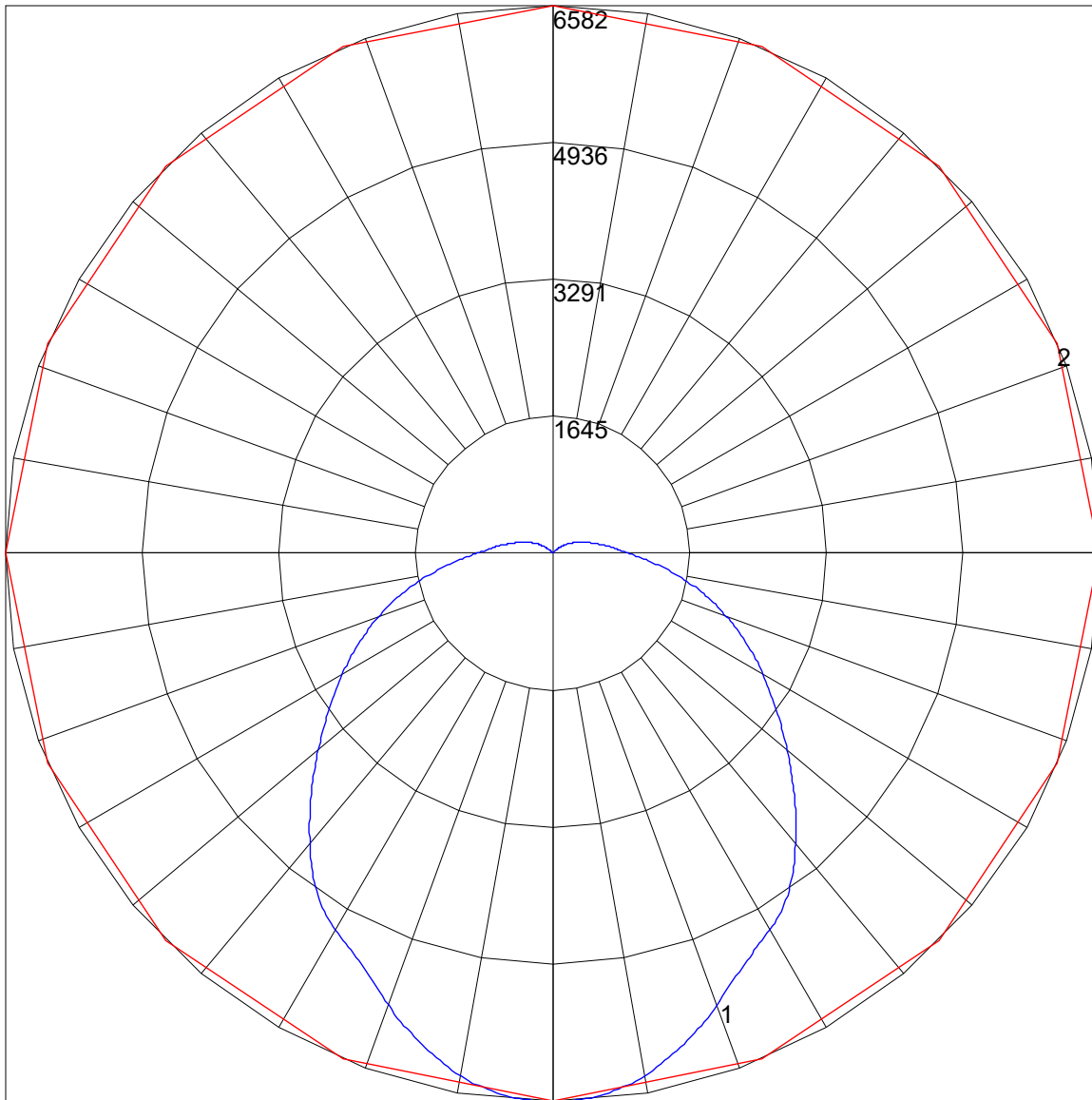
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	18.5	20.1	19.0	20.5	20.9	UGR Viewed Endwise				
	3H	19.8	21.2	20.3	21.6	22.1	20.3	21.9	20.8	22.3	22.7
	4H	20.2	21.6	20.7	22.0	22.5	22.7	24.1	23.2	24.6	25.0
	6H	20.5	21.7	21.0	22.2	22.7	23.9	25.2	24.3	25.6	26.1
	8H	20.5	21.7	21.0	22.2	22.7	25.0	26.2	25.5	26.7	27.2
	12H	20.6	21.7	21.1	22.2	22.7	25.5	26.7	26.0	27.2	27.7
							26.1	27.3	26.6	27.7	28.3
4H	2H	19.3	20.6	19.7	21.0	21.5	20.7	22.0	21.2	22.5	23.0
	3H	20.8	22.0	21.3	22.4	23.0	23.3	24.5	23.8	25.0	25.5
	4H	21.4	22.4	21.9	22.9	23.4	24.7	25.7	25.2	26.2	26.7
	6H	21.7	22.6	22.3	23.2	23.7	26.0	26.9	26.5	27.4	28.0
	8H	21.8	22.7	22.4	23.2	23.8	26.6	27.5	27.2	28.0	28.6
	12H	21.9	22.7	22.5	23.2	23.8	27.3	28.1	27.9	28.7	29.3
8H	4H	22.0	22.8	22.5	23.4	24.0	24.9	25.7	25.4	26.2	26.8
	6H	22.5	23.3	23.1	23.8	24.4	26.3	27.1	26.9	27.6	28.2
	8H	22.7	23.4	23.3	24.0	24.6	27.1	27.8	27.7	28.4	29.0
	12H	22.8	23.4	23.4	24.0	24.7	28.0	28.6	28.6	29.2	29.8
12H	4H	22.2	22.9	22.7	23.5	24.1	24.9	25.6	25.4	26.2	26.8
	6H	22.8	23.5	23.4	24.0	24.7	26.4	27.0	27.0	27.6	28.2
	8H	23.1	23.7	23.6	24.2	24.9	27.2	27.8	27.8	28.4	29.0

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 6581.958 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)