



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-008A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 8 HI 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] 256 white LEDs on four LS3872A8-3500K-R90 LED boards with 64 LEDs  
[MORE] each.

[BALLAST] Two ULT Everline D15CC55UNVPW-C LED drivers labeled as 1150mA

[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	15420
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	115.7
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	10430	8980	8692
55	9012	7704	7821
65	7376	6589	7258
75	5769	5795	6736
85	4022	5323	6085

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1890.87	N.A.	12.30
0-30	3945.37	N.A.	25.60
0-40	6384.01	N.A.	41.40
0-60	11023.78	N.A.	71.50
0-80	13915.72	N.A.	90.20
0-90	14608.47	N.A.	94.70
10-90	14112.33	N.A.	91.50
20-40	4493.14	N.A.	29.10
20-50	6960.59	N.A.	45.10
40-70	6348.95	N.A.	41.20
60-80	2891.94	N.A.	18.80
70-80	1182.75	N.A.	7.70
80-90	692.75	N.A.	4.50
90-110	631.03	N.A.	4.10
90-120	752.11	N.A.	4.90
90-130	799.21	N.A.	5.20
90-150	810.75	N.A.	5.30
90-180	811.60	N.A.	5.30
110-180	180.56	N.A.	1.20
0-180	15420.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	496.13
10-20	1394.74
20-30	2054.49
30-40	2438.65
40-50	2467.45
50-60	2172.31
60-70	1709.19
70-80	1182.75
80-90	692.75
90-100	396.27
100-110	234.77
110-120	121.07
120-130	47.10
130-140	9.11
140-150	2.43
150-160	0.85
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	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

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**UGR TABLE - CORRECTED**

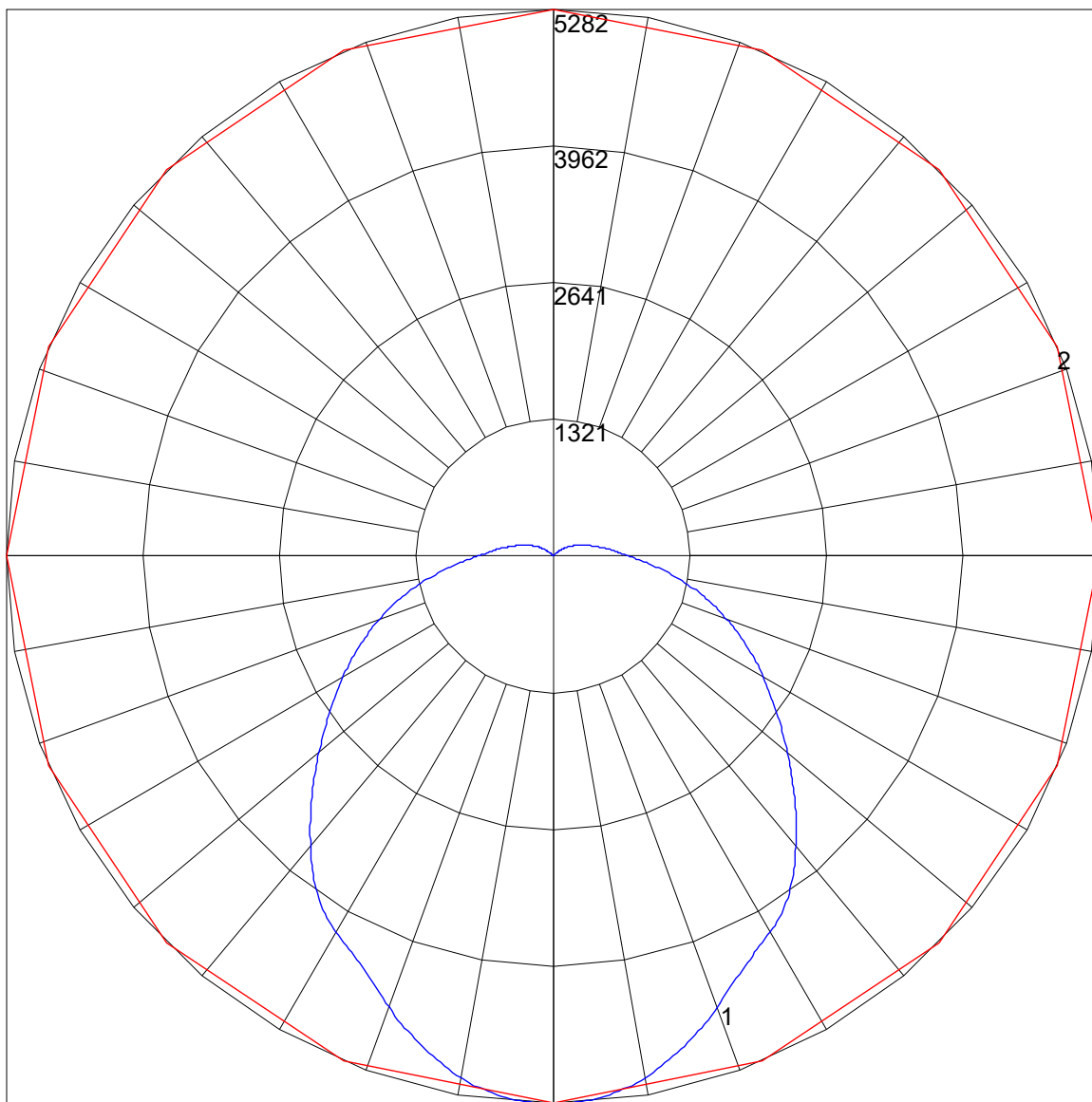
Reflectances

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	17.7	19.3	18.2	19.7	20.1	19.5	21.1	20.0	21.5	21.9
	3H	19.0	20.4	19.5	20.8	21.3	21.9	23.3	22.4	23.8	24.2
	4H	19.4	20.8	19.9	21.2	21.7	23.1	24.4	23.5	24.8	25.3
	6H	19.7	20.9	20.2	21.4	21.9	24.2	25.4	24.7	25.9	26.4
	8H	19.7	20.9	20.2	21.4	21.9	24.7	25.9	25.2	26.4	26.9
	12H	19.8	20.9	20.3	21.4	21.9	25.3	26.5	25.8	26.9	27.5
4H	2H	18.5	19.8	18.9	20.2	20.7	19.9	21.2	20.4	21.7	22.2
	3H	20.0	21.2	20.5	21.6	22.2	22.5	23.7	23.0	24.2	24.7
	4H	20.6	21.6	21.1	22.1	22.6	23.9	24.9	24.4	25.4	25.9
	6H	20.9	21.8	21.5	22.4	22.9	25.2	26.1	25.7	26.6	27.2
	8H	21.0	21.9	21.6	22.4	23.0	25.8	26.7	26.4	27.2	27.8
	12H	21.1	21.9	21.7	22.4	23.0	26.5	27.3	27.1	27.9	28.5
8H	4H	21.2	22.0	21.7	22.6	23.2	24.1	24.9	24.6	25.4	26.0
	6H	21.7	22.5	22.3	23.0	23.6	25.5	26.3	26.1	26.8	27.4
	8H	21.9	22.6	22.5	23.2	23.7	26.3	27.0	26.9	27.6	28.2
	12H	22.0	22.6	22.6	23.2	23.9	27.2	27.8	27.8	28.4	29.0
12H	4H	21.4	22.1	21.9	22.7	23.3	24.1	24.8	24.6	25.4	26.0
	6H	22.0	22.7	22.6	23.2	23.9	25.6	26.2	26.2	26.8	27.4
	8H	22.3	22.8	22.8	23.4	24.1	26.4	27.0	27.0	27.6	28.2

Maximum UGR = 29.0

POLAR GRAPH



Maximum Candela = 5282.463 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.)