



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 8 HI UV FRA 940.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 HI UV FRA 940

[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 LS3872A8-4000K-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	15786
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
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	10678	9194	8899
55	9226	7887	8006
65	7551	6746	7430
75	5906	5932	6896
85	4118	5449	6229

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1935.79	N.A.	12.30
0-30	4039.08	N.A.	25.60
0-40	6535.64	N.A.	41.40
0-60	11285.61	N.A.	71.50
0-80	14246.24	N.A.	90.20
0-90	14955.44	N.A.	94.70
10-90	14447.52	N.A.	91.50
20-40	4599.86	N.A.	29.10
20-50	7125.92	N.A.	45.10
40-70	6499.75	N.A.	41.20
60-80	2960.63	N.A.	18.80
70-80	1210.84	N.A.	7.70
80-90	709.20	N.A.	4.50
90-110	646.02	N.A.	4.10
90-120	769.97	N.A.	4.90
90-130	818.19	N.A.	5.20
90-150	830.00	N.A.	5.30
90-180	830.88	N.A.	5.30
110-180	184.85	N.A.	1.20
0-180	15786.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	507.92
10-20	1427.87
20-30	2103.29
30-40	2496.57
40-50	2526.06
50-60	2223.9
60-70	1749.79
70-80	1210.84
80-90	709.20
90-100	405.68
100-110	240.34
110-120	123.95
120-130	48.22
130-140	9.33
140-150	2.48
150-160	0.87
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

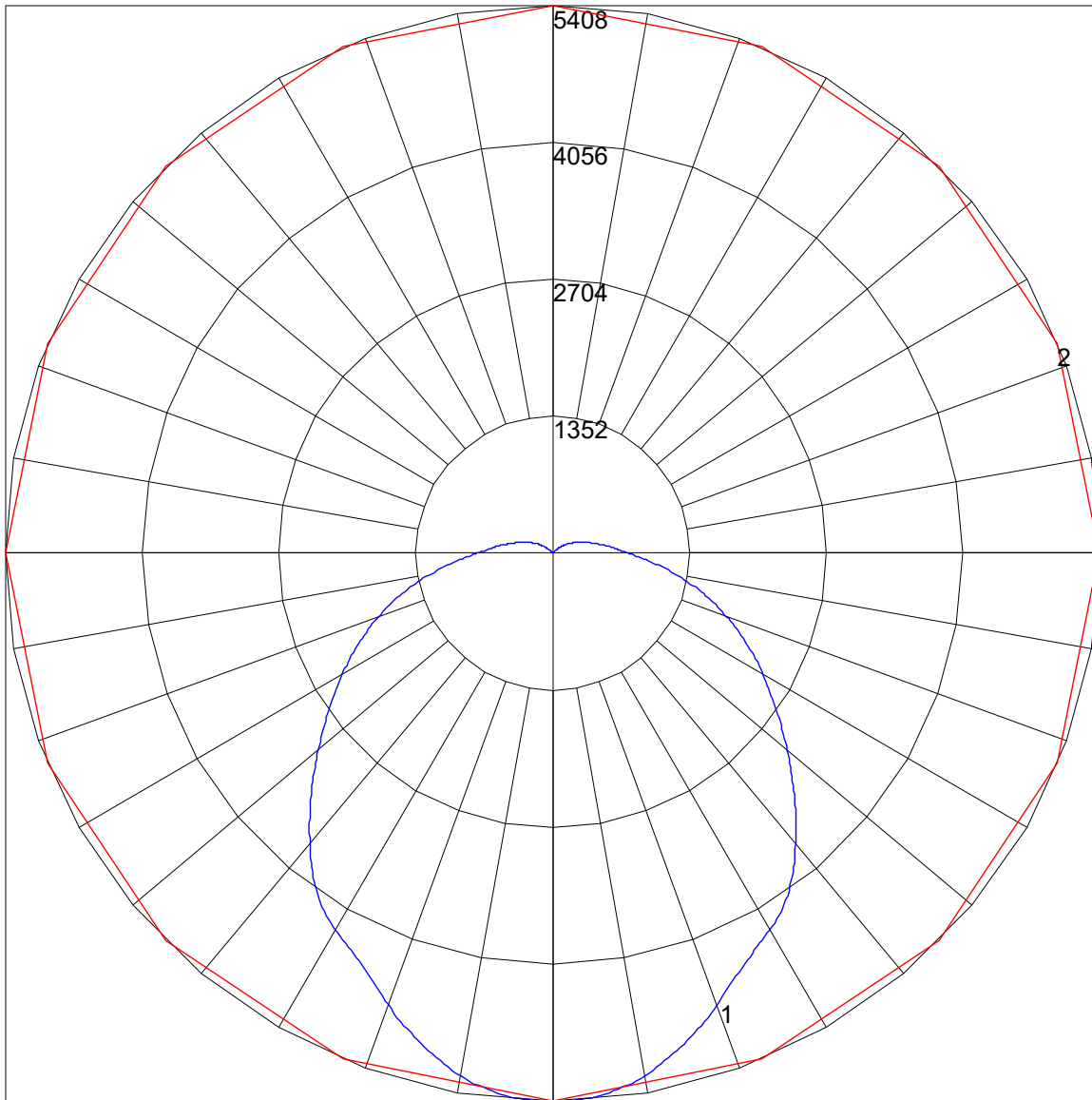
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**UGR TABLE - CORRECTED**

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	17.8	19.4	18.3	19.8	20.2	19.6	21.2	20.1	21.6	22.0
	3H	19.1	20.5	19.6	20.9	21.4	22.0	23.4	22.5	23.9	24.3
	4H	19.5	20.9	20.0	21.3	21.8	23.2	24.5	23.6	24.9	25.4
	6H	19.8	21.0	20.3	21.5	22.0	24.3	25.5	24.8	26.0	26.5
	8H	19.8	21.0	20.3	21.5	22.0	24.8	26.0	25.3	26.5	27.0
	12H	19.9	21.0	20.4	21.5	22.0	25.4	26.6	25.9	27.0	27.6
4H	2H	18.6	19.9	19.0	20.3	20.8	20.0	21.3	20.5	21.8	22.3
	3H	20.1	21.3	20.6	21.7	22.3	22.6	23.8	23.1	24.3	24.8
	4H	20.7	21.7	21.2	22.2	22.7	24.0	25.0	24.5	25.5	26.0
	6H	21.0	21.9	21.6	22.5	23.0	25.3	26.2	25.8	26.7	27.3
	8H	21.1	22.0	21.7	22.5	23.1	25.9	26.8	26.5	27.3	27.9
	12H	21.2	22.0	21.8	22.5	23.1	26.6	27.4	27.2	28.0	28.6
8H	4H	21.3	22.1	21.8	22.7	23.3	24.2	25.0	24.7	25.5	26.1
	6H	21.8	22.6	22.4	23.1	23.7	25.6	26.4	26.2	26.9	27.5
	8H	22.0	22.7	22.6	23.3	23.9	26.4	27.1	27.0	27.7	28.3
	12H	22.1	22.7	22.7	23.3	24.0	27.3	27.9	27.9	28.5	29.1
12H	4H	21.5	22.2	22.0	22.8	23.4	24.2	24.9	24.7	25.5	26.1
	6H	22.1	22.8	22.7	23.3	24.0	25.7	26.3	26.3	26.9	27.5
	8H	22.4	23.0	22.9	23.5	24.2	26.5	27.1	27.1	27.7	28.3

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 5407.928 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.)