



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 4 HI UV FRA 950.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 4 HI UV FRA 950

[LUMINAIRE] Surface/pendant mounted, formed white plastic housing, formed

[MORE] white painted steel LED tray/reflector, translucent linear stepped plastic

[MORE] lens.

[LAMP] 128 white LEDs on two LS3872A8-5000K-R90 LED boards with 64 LEDs

[MORE] each.

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver labeled as 1160mA

[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	7955
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	58.4
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)	4.27 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	10243	8881	8684
55	8788	7594	7814
65	7110	6465	7251
75	5429	5644	6730
85	3446	5108	6079

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	975.53	N.A.	12.30
0-30	2035.47	N.A.	25.60
0-40	3293.59	N.A.	41.40
0-60	5687.31	N.A.	71.50
0-80	7179.3	N.A.	90.20
0-90	7536.69	N.A.	94.70
10-90	7280.73	N.A.	91.50
20-40	2318.07	N.A.	29.10
20-50	3591.06	N.A.	45.10
40-70	3275.51	N.A.	41.20
60-80	1491.99	N.A.	18.80
70-80	610.20	N.A.	7.70
80-90	357.40	N.A.	4.50
90-110	325.56	N.A.	4.10
90-120	388.02	N.A.	4.90
90-130	412.32	N.A.	5.20
90-150	418.27	N.A.	5.30
90-180	418.71	N.A.	5.30
110-180	93.16	N.A.	1.20
0-180	7955.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	255.96
10-20	719.56
20-30	1059.94
30-40	1258.13
40-50	1272.99
50-60	1120.72
60-70	881.79
70-80	610.20
80-90	357.40
90-100	204.44
100-110	121.12
110-120	62.46
120-130	24.30
130-140	4.70
140-150	1.25
150-160	0.44
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	86	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

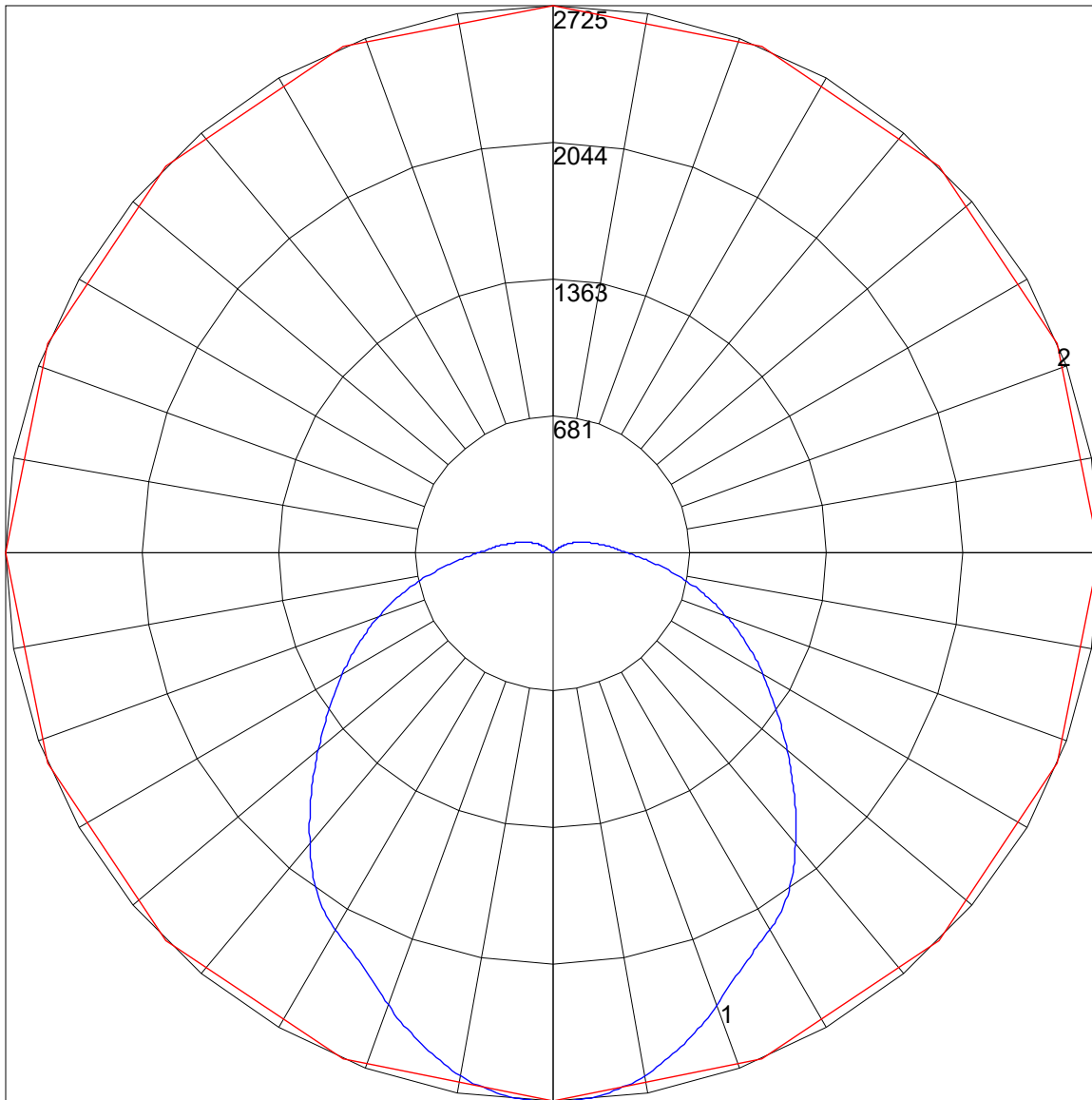
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**UGR TABLE - CORRECTED**

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	19.2	18.1	19.7	20.1	19.4	21.0	19.9	21.4	21.8
	3H	19.0	20.4	19.4	20.8	21.3	21.8	23.2	22.3	23.6	24.1
	4H	19.4	20.7	19.9	21.2	21.7	22.9	24.3	23.4	24.7	25.2
	6H	19.7	20.9	20.2	21.4	21.9	24.0	25.3	24.5	25.7	26.2
	8H	19.7	20.9	20.2	21.4	21.9	24.5	25.7	25.0	26.2	26.7
	12H	19.7	20.9	20.3	21.4	21.9	25.1	26.2	25.6	26.7	27.3
4H	2H	18.4	19.8	18.9	20.2	20.7	19.8	21.2	20.3	21.6	22.1
	3H	20.0	21.1	20.5	21.6	22.1	22.4	23.6	22.9	24.1	24.6
	4H	20.5	21.6	21.0	22.1	22.6	23.7	24.8	24.2	25.3	25.8
	6H	20.9	21.8	21.4	22.3	22.9	25.0	25.9	25.6	26.5	27.0
	8H	21.0	21.9	21.5	22.4	23.0	25.7	26.5	26.2	27.0	27.6
	12H	21.1	21.8	21.6	22.4	23.0	26.3	27.1	26.9	27.7	28.2
8H	4H	21.1	22.0	21.7	22.5	23.1	23.9	24.8	24.5	25.3	25.9
	6H	21.7	22.4	22.2	23.0	23.6	25.4	26.1	25.9	26.7	27.3
	8H	21.9	22.5	22.4	23.1	23.7	26.1	26.8	26.7	27.4	28.0
	12H	22.0	22.6	22.6	23.2	23.8	27.0	27.6	27.6	28.1	28.8
12H	4H	21.3	22.1	21.9	22.6	23.2	23.9	24.7	24.5	25.3	25.9
	6H	22.0	22.6	22.5	23.2	23.8	25.4	26.1	26.0	26.6	27.3
	8H	22.2	22.8	22.8	23.4	24.0	26.2	26.8	26.8	27.4	28.1

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 2725.29 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.)