



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 LW UV FRA 940.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 LW 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] 48 white LEDs on one LS3872A7-4000K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver at 300mA

[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	2195
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	15.2
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	5052	4566	4443
55	4414	3947	4455
65	3651	3608	4189
75	2850	2985	3384
85	1939	2212	2437

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	260.91	N.A.	11.90
0-30	555.39	N.A.	25.30
0-40	906.63	N.A.	41.30
0-60	1582.64	N.A.	72.10
0-80	2020.77	N.A.	92.10
0-90	2107.67	N.A.	96.00
10-90	2040.47	N.A.	93.00
20-40	645.71	N.A.	29.40
20-50	998.71	N.A.	45.50
40-70	939.92	N.A.	42.80
60-80	438.13	N.A.	20.00
70-80	174.23	N.A.	7.90
80-90	86.90	N.A.	4.00
90-110	65.27	N.A.	3.00
90-120	79.35	N.A.	3.60
90-130	85.45	N.A.	3.90
90-150	87.35	N.A.	4.00
90-180	87.43	N.A.	4.00
110-180	22.16	N.A.	1.00
0-180	2195.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.19
10-20	193.72
20-30	294.48
30-40	351.23
40-50	352.99
50-60	323.02
60-70	263.91
70-80	174.23
80-90	86.90
90-100	40.77
100-110	24.50
110-120	14.08
120-130	6.11
130-140	1.47
140-150	0.42
150-160	0.08
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

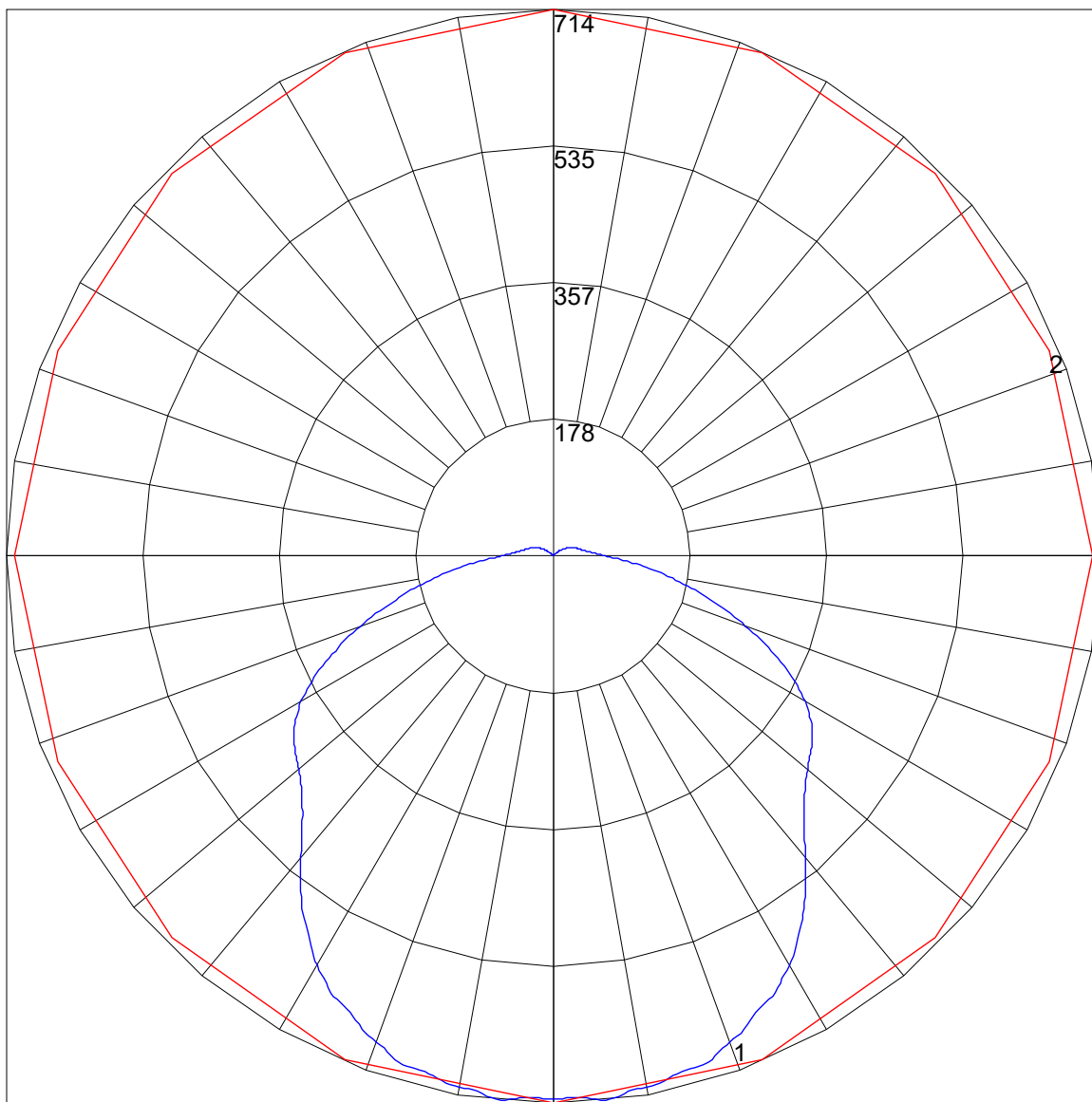
Reflectances

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	15.5	17.1	15.9	17.5	17.9	17.7	19.3	18.2	19.7	20.1
	3H	16.9	18.3	17.3	18.7	19.2	20.0	21.4	20.4	21.8	22.3
	4H	17.4	18.7	17.8	19.1	19.6	20.9	22.2	21.4	22.7	23.1
	6H	17.7	18.9	18.2	19.4	19.9	21.7	22.9	22.2	23.4	23.9
	8H	17.8	19.0	18.3	19.4	19.9	22.0	23.2	22.5	23.7	24.2
	12H	17.8	19.0	18.3	19.4	20.0	22.3	23.5	22.8	23.9	24.5
4H	2H	16.4	17.7	16.8	18.2	18.6	18.1	19.5	18.6	19.9	20.4
	3H	18.0	19.2	18.5	19.6	20.1	20.6	21.8	21.1	22.2	22.7
	4H	18.6	19.6	19.1	20.1	20.6	21.7	22.7	22.2	23.2	23.7
	6H	19.0	19.9	19.5	20.5	21.0	22.7	23.6	23.2	24.1	24.6
	8H	19.1	20.0	19.7	20.5	21.1	23.1	23.9	23.6	24.4	25.0
	12H	19.2	20.0	19.8	20.6	21.1	23.5	24.2	24.0	24.8	25.3
8H	4H	19.2	20.0	19.7	20.6	21.1	21.9	22.7	22.4	23.2	23.8
	6H	19.8	20.5	20.3	21.0	21.6	23.0	23.7	23.5	24.3	24.8
	8H	20.0	20.6	20.5	21.2	21.8	23.5	24.2	24.1	24.7	25.3
	12H	20.1	20.7	20.7	21.2	21.9	24.0	24.6	24.6	25.2	25.8
12H	4H	19.3	20.1	19.8	20.6	21.2	21.9	22.7	22.4	23.2	23.8
	6H	20.0	20.6	20.5	21.1	21.8	23.0	23.7	23.6	24.2	24.8
	8H	20.2	20.8	20.8	21.4	22.0	23.6	24.2	24.2	24.7	25.4

Maximum UGR = 25.8

POLAR GRAPH



Maximum Candela = 713.61 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.)