



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 VL UV FRA 940.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-005(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 2 VL 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] 28 white LEDs on one LS3872A6-4000K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver at 180mA

[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	1155
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	9.2
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	2657	2402	2337
55	2322	2076	2343
65	1920	1898	2204
75	1499	1570	1780
85	1020	1163	1282

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	137.24	N.A.	11.90
0-30	292.13	N.A.	25.30
0-40	476.88	N.A.	41.30
0-60	832.45	N.A.	72.10
0-80	1062.9	N.A.	92.10
0-90	1108.61	N.A.	96.00
10-90	1073.27	N.A.	93.00
20-40	339.64	N.A.	29.40
20-50	525.31	N.A.	45.50
40-70	494.39	N.A.	42.80
60-80	230.45	N.A.	20.00
70-80	91.64	N.A.	7.90
80-90	45.71	N.A.	4.00
90-110	34.33	N.A.	3.00
90-120	41.73	N.A.	3.60
90-130	44.95	N.A.	3.90
90-150	45.95	N.A.	4.00
90-180	45.99	N.A.	4.00
110-180	11.66	N.A.	1.00
0-180	1154.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.34
10-20	101.89
20-30	154.89
30-40	184.74
40-50	185.67
50-60	169.91
60-70	138.81
70-80	91.64
80-90	45.71
90-100	21.44
100-110	12.89
110-120	7.40
120-130	3.21
130-140	0.78
140-150	0.22
150-160	0.04
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	80	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

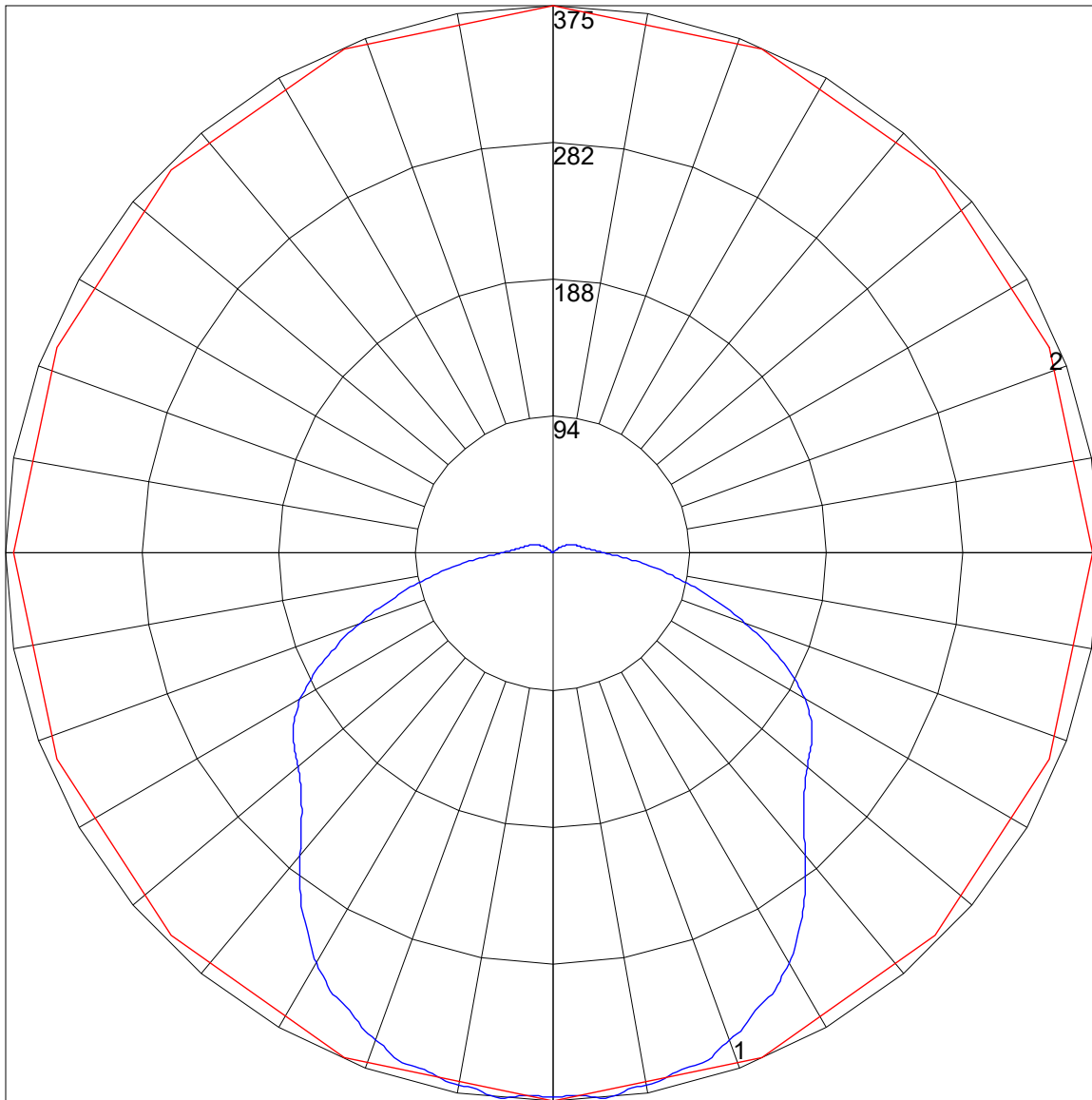
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UGR TABLE - CORRECTED

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	13.3	14.9	13.7	15.3	15.7	15.5	17.1	16.0	17.5	17.9
	3H	14.7	16.1	15.1	16.5	17.0	17.8	19.2	18.2	19.6	20.1
	4H	15.2	16.5	15.6	16.9	17.4	18.7	20.0	19.2	20.5	20.9
	6H	15.5	16.7	16.0	17.2	17.7	19.5	20.7	20.0	21.2	21.7
	8H	15.6	16.8	16.1	17.2	17.7	19.8	21.0	20.3	21.5	22.0
	12H	15.6	16.8	16.1	17.2	17.8	20.1	21.3	20.6	21.7	22.3
4H	2H	14.2	15.5	14.6	16.0	16.4	15.9	17.3	16.4	17.7	18.2
	3H	15.8	16.9	16.3	17.4	17.9	18.4	19.6	18.9	20.0	20.5
	4H	16.4	17.4	16.9	17.9	18.4	19.5	20.5	20.0	21.0	21.5
	6H	16.8	17.7	17.3	18.2	18.8	20.5	21.4	21.0	21.9	22.4
	8H	16.9	17.8	17.5	18.3	18.9	20.9	21.7	21.4	22.2	22.8
	12H	17.0	17.8	17.6	18.4	18.9	21.3	22.0	21.8	22.6	23.1
8H	4H	17.0	17.8	17.5	18.4	18.9	19.7	20.5	20.2	21.0	21.6
	6H	17.5	18.3	18.1	18.8	19.4	20.8	21.5	21.3	22.1	22.6
	8H	17.7	18.4	18.3	19.0	19.6	21.3	22.0	21.9	22.5	23.1
	12H	17.9	18.5	18.5	19.0	19.7	21.8	22.4	22.4	23.0	23.6
12H	4H	17.1	17.9	17.6	18.4	19.0	19.7	20.5	20.2	21.0	21.6
	6H	17.8	18.4	18.3	18.9	19.6	20.8	21.5	21.4	22.0	22.6
	8H	18.0	18.6	18.6	19.2	19.8	21.4	22.0	22.0	22.5	23.2

Maximum UGR = 23.6

POLAR GRAPH



Maximum Candela = 375.352 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.)