



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 2 SH UV FRA 930.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 SH UV FRA 930

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

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

[MORE] lens.

[LAMP] 84 white LEDs on one LS3872A10-3000K-R90 LED board

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver at 1010mA

[OTHER] 120.0Vac, 60.00Hz, 0.3840A, 45.25W, 0.982PF, 7.2%THD(i)

[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	6059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	45.2
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	13945	12603	12263
55	12184	10894	12296
65	10078	9959	11563
75	7866	8239	9340
85	5353	6104	6728

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	720.17	N.A.	11.90
0-30	1533.01	N.A.	25.30
0-40	2502.48	N.A.	41.30
0-60	4368.43	N.A.	72.10
0-80	5577.76	N.A.	92.10
0-90	5817.61	N.A.	96.00
10-90	5632.15	N.A.	93.00
20-40	1782.31	N.A.	29.40
20-50	2756.65	N.A.	45.50
40-70	2594.38	N.A.	42.80
60-80	1209.34	N.A.	20.00
70-80	480.90	N.A.	7.90
80-90	239.85	N.A.	4.00
90-110	180.15	N.A.	3.00
90-120	219.01	N.A.	3.60
90-130	235.87	N.A.	3.90
90-150	241.11	N.A.	4.00
90-180	241.33	N.A.	4.00
110-180	61.18	N.A.	1.00
0-180	6058.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	185.47
10-20	534.71
20-30	812.83
30-40	969.48
40-50	974.33
50-60	891.61
60-70	728.44
70-80	480.90
80-90	239.85
90-100	112.53
100-110	67.62
110-120	38.86
120-130	16.86
130-140	4.07
140-150	1.17
150-160	0.22
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

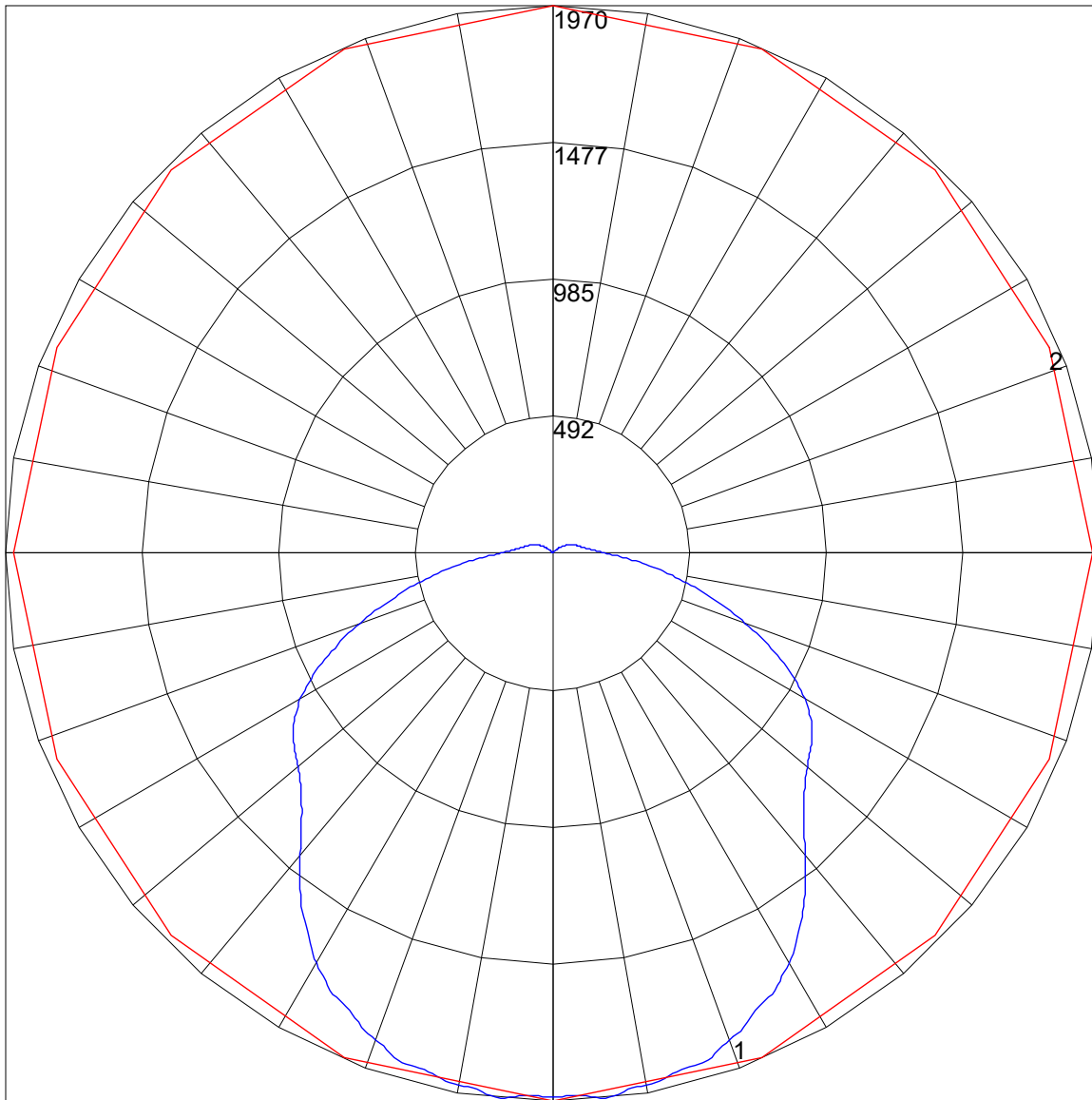
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UGR TABLE - CORRECTED

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	19.1	20.7	19.5	21.1	21.5	21.3	22.9	21.8	23.3	23.7
	3H	20.5	21.9	20.9	22.3	22.8	23.6	25.0	24.0	25.4	25.9
	4H	21.0	22.3	21.4	22.7	23.2	24.5	25.8	25.0	26.3	26.7
	6H	21.3	22.5	21.8	23.0	23.5	25.3	26.5	25.8	27.0	27.5
	8H	21.4	22.6	21.9	23.0	23.5	25.6	26.8	26.1	27.3	27.8
	12H	21.4	22.6	21.9	23.0	23.6	25.9	27.1	26.4	27.5	28.1
4H	2H	20.0	21.3	20.4	21.8	22.2	21.7	23.1	22.2	23.5	24.0
	3H	21.6	22.8	22.1	23.2	23.7	24.2	25.4	24.7	25.8	26.3
	4H	22.2	23.2	22.7	23.7	24.2	25.3	26.3	25.8	26.8	27.3
	6H	22.6	23.5	23.1	24.0	24.6	26.3	27.2	26.8	27.7	28.2
	8H	22.7	23.6	23.3	24.1	24.7	26.7	27.5	27.2	28.0	28.6
	12H	22.8	23.6	23.4	24.2	24.7	27.1	27.8	27.6	28.4	28.9
8H	4H	22.8	23.6	23.3	24.2	24.7	25.5	26.3	26.0	26.8	27.4
	6H	23.3	24.1	23.9	24.6	25.2	26.6	27.3	27.1	27.9	28.4
	8H	23.6	24.2	24.1	24.8	25.4	27.1	27.8	27.7	28.3	28.9
	12H	23.7	24.3	24.3	24.8	25.5	27.6	28.2	28.2	28.8	29.4
12H	4H	22.9	23.7	23.4	24.2	24.8	25.5	26.3	26.0	26.8	27.4
	6H	23.6	24.2	24.1	24.7	25.4	26.6	27.3	27.2	27.8	28.4
	8H	23.8	24.4	24.4	25.0	25.6	27.2	27.8	27.8	28.3	29.0

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 1969.717 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.)