IES INDOOR REPORT
PHOTOMETRIC FILENAME : NVL G2 2 HI 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 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] 64 white LEDs on one LS3872A8-4000K-R90 LED board
[BALLAST] One ULT Everline D10CC30UNVPW-C LED driver at 590mA
[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	4227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	30.5
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	9728	8792	8554
55	8500	7600	8578
65	7030	6947	8067
75	5488	5748	6516
85	3734	4258	4693

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	502.40	N.A.	11.90
0-30	1069.45	N.A.	25.30
0-40	1745.77	N.A.	41.30
0-60	3047.47	N.A.	72.10
0-80	3891.12	N.A.	92.10
0-90	4058.44	N.A.	96.00
10-90	3929.06	N.A.	93.00
20-40	1243.36	N.A.	29.40
20-50	1923.07	N.A.	45.50
40-70	1809.87	N.A.	42.80
60-80	843.65	N.A.	20.00
70-80	335.48	N.A.	7.90
80-90	167.32	N.A.	4.00
90-110	125.68	N.A.	3.00
90-120	152.78	N.A.	3.60
90-130	164.55	N.A.	3.90
90-150	168.20	N.A.	4.00
90-180	168.36	N.A.	4.00
110-180	42.68	N.A.	1.00
0-180	4226.8	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.38
10-20	373.02
20-30	567.04
30-40	676.32
40-50	679.71
50-60	622.00
60-70	508.17
70-80	335.48
80-90	167.32
90-100	78.50
100-110	47.17
110-120	27.11
120-130	11.76
130-140	2.84
140-150	0.82
150-160	0.16
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	17.8	19.4	18.2	19.8	20.2	20.0	21.6	20.5	22.0	22.4
	3H	19.2	20.6	19.6	21.0	21.5	22.3	23.7	22.7	24.1	24.6
	4H	19.7	21.0	20.1	21.4	21.9	23.2	24.5	23.7	25.0	25.4
	6H	20.0	21.2	20.5	21.7	22.2	24.0	25.2	24.5	25.7	26.2
	8H	20.1	21.3	20.6	21.7	22.2	24.3	25.5	24.8	26.0	26.5
	12H	20.1	21.3	20.6	21.7	22.3	24.6	25.8	25.1	26.2	26.8
4H	2H	18.7	20.0	19.1	20.5	20.9	20.4	21.8	20.9	22.2	22.7
	3H	20.3	21.5	20.8	21.9	22.4	22.9	24.1	23.4	24.5	25.0
	4H	20.9	21.9	21.4	22.4	22.9	24.0	25.0	24.5	25.5	26.0
	6H	21.3	22.2	21.8	22.7	23.3	25.0	25.9	25.5	26.4	26.9
	8H	21.4	22.3	22.0	22.8	23.4	25.4	26.2	25.9	26.7	27.3
	12H	21.5	22.3	22.1	22.9	23.4	25.8	26.5	26.3	27.1	27.6
8H	4H	21.5	22.3	22.0	22.9	23.4	24.2	25.0	24.7	25.5	26.1
	6H	22.0	22.8	22.6	23.3	23.9	25.3	26.0	25.8	26.6	27.1
	8H	22.3	22.9	22.8	23.5	24.1	25.8	26.5	26.4	27.0	27.6
	12H	22.4	23.0	23.0	23.5	24.2	26.3	26.9	26.9	27.5	28.1
12H	4H	21.6	22.4	22.1	22.9	23.5	24.2	25.0	24.7	25.5	26.1
	6H	22.3	22.9	22.8	23.4	24.1	25.3	26.0	25.9	26.5	27.1
	8H	22.5	23.1	23.1	23.7	24.3	25.9	26.5	26.5	27.0	27.7

Maximum UGR = 28.1

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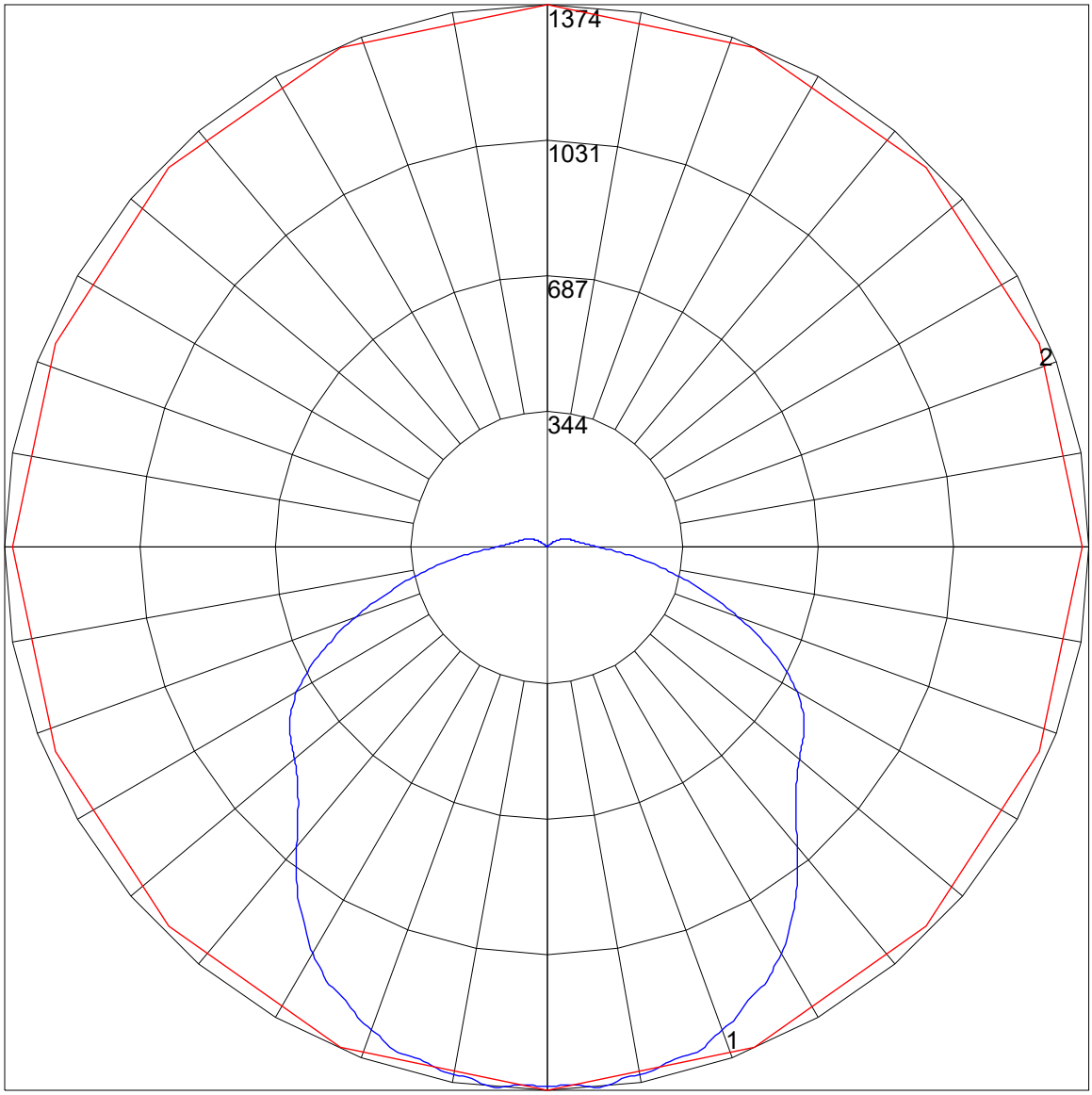
POLAR GRAPH



Maximum Candela = 1374.1 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.)

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