IES INDOOR REPORT
PHOTOMETRIC FILENAME : NVL G2 2 SH UV FRA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLIA001796-005
[TESTLAB] LightLab International Allentown, LLC
[ISSUEDATE] 7/6/2022
[MANUFAC] Lumen Focus, LLC
[LUMCAT] NVL G2 2 SH 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] 84 white LEDs on one LS3872A10-5000K-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	6229
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	45.248
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	14336	12957	12607
55	12526	11200	12641
65	10361	10238	11888
75	8087	8470	9602
85	5503	6276	6917

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	740.39	N.A.	11.90
0-30	1576.03	N.A.	25.30
0-40	2572.72	N.A.	41.30
0-60	4491.03	N.A.	72.10
0-80	5734.31	N.A.	92.10
0-90	5980.89	N.A.	96.00
10-90	5790.22	N.A.	93.00
20-40	1832.33	N.A.	29.40
20-50	2834.01	N.A.	45.50
40-70	2667.19	N.A.	42.80
60-80	1243.28	N.A.	20.00
70-80	494.40	N.A.	7.90
80-90	246.58	N.A.	4.00
90-110	185.21	N.A.	3.00
90-120	225.16	N.A.	3.60
90-130	242.49	N.A.	3.90
90-150	247.87	N.A.	4.00
90-180	248.10	N.A.	4.00
110-180	62.89	N.A.	1.00
0-180	6229.00	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.67
10-20	549.71
20-30	835.65
30-40	996.69
40-50	1001.68
50-60	916.63
60-70	748.88
70-80	494.40
80-90	246.58
90-100	115.69
100-110	69.52
110-120	39.95
120-130	17.33
130-140	4.18
140-150	1.20
150-160	0.23
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	19.2	20.8	19.6	21.2	21.6	21.4	23.0	21.9	23.4	23.8
	3H	20.6	22.0	21.0	22.4	22.9	23.7	25.1	24.1	25.5	26.0
	4H	21.1	22.4	21.5	22.8	23.3	24.6	25.9	25.1	26.4	26.8
	6H	21.4	22.6	21.9	23.1	23.6	25.4	26.6	25.9	27.1	27.6
	8H	21.5	22.7	22.0	23.1	23.6	25.7	26.9	26.2	27.4	27.9
	12H	21.5	22.7	22.0	23.1	23.7	26.0	27.2	26.5	27.6	28.2
4H	2H	20.1	21.4	20.5	21.9	22.3	21.8	23.2	22.3	23.6	24.1
	3H	21.7	22.9	22.2	23.3	23.8	24.3	25.5	24.8	25.9	26.4
	4H	22.3	23.3	22.8	23.8	24.3	25.4	26.4	25.9	26.9	27.4
	6H	22.7	23.6	23.2	24.2	24.7	26.4	27.3	26.9	27.8	28.3
	8H	22.8	23.7	23.4	24.2	24.8	26.8	27.6	27.3	28.1	28.7
	12H	22.9	23.7	23.5	24.3	24.8	27.2	27.9	27.7	28.5	29.0
8H	4H	22.9	23.7	23.4	24.3	24.8	25.6	26.4	26.1	26.9	27.5
	6H	23.4	24.2	24.0	24.7	25.3	26.7	27.4	27.2	28.0	28.5
	8H	23.7	24.3	24.2	24.9	25.5	27.2	27.9	27.8	28.4	29.0
	12H	23.8	24.4	24.4	24.9	25.6	27.7	28.3	28.3	28.9	29.5
12H	4H	23.0	23.8	23.5	24.3	24.9	25.6	26.4	26.1	26.9	27.5
	6H	23.7	24.3	24.2	24.8	25.5	26.7	27.4	27.3	27.9	28.5
	8H	23.9	24.5	24.5	25.1	25.7	27.3	27.9	27.9	28.4	29.1

Maximum UGR = 29.5

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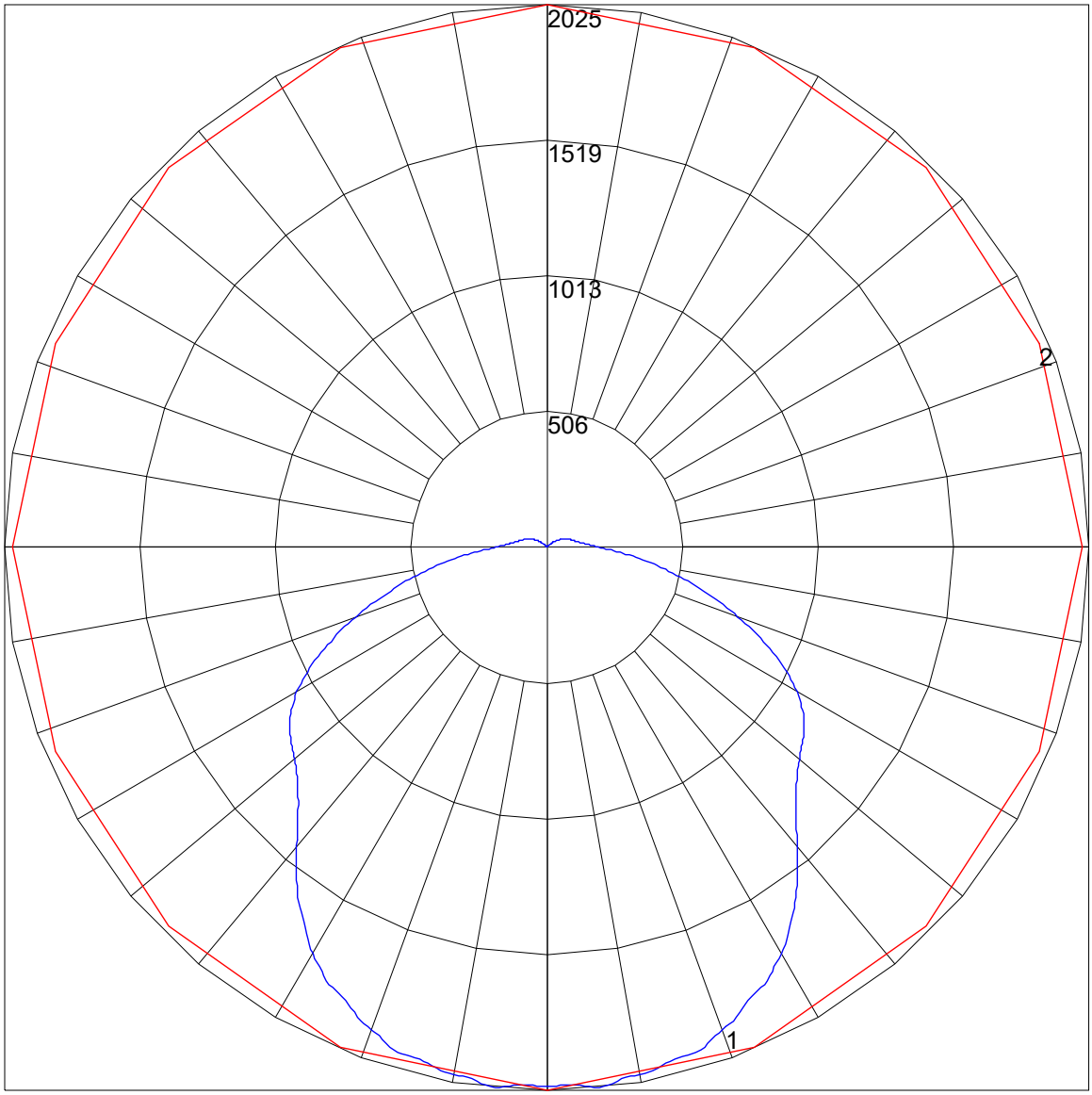
POLAR GRAPH



Maximum Candela = 2025 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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