



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 8 HI UV FRA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001796-008A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 7/6/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] NVL G2 8 HI 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] 256 white LEDs on four LS3872A8-3000K-R90 LED boards with 64 LEDs

[MORE] each.

[BALLAST] Two ULT Everline D15CC55UNVPW-C LED drivers labeled as 1150mA

[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	15355
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	115.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.27 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	10386	8943	8656
55	8974	7672	7788
65	7345	6562	7227
75	5744	5770	6708
85	4006	5300	6059

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1882.94	N.A.	12.30
0-30	3928.81	N.A.	25.60
0-40	6357.22	N.A.	41.40
0-60	10977.51	N.A.	71.50
0-80	13857.32	N.A.	90.20
0-90	14547.16	N.A.	94.70
10-90	14053.11	N.A.	91.50
20-40	4474.28	N.A.	29.10
20-50	6931.38	N.A.	45.10
40-70	6322.31	N.A.	41.20
60-80	2879.8	N.A.	18.80
70-80	1177.79	N.A.	7.70
80-90	689.84	N.A.	4.50
90-110	628.39	N.A.	4.10
90-120	748.95	N.A.	4.90
90-130	795.86	N.A.	5.20
90-150	807.34	N.A.	5.30
90-180	808.19	N.A.	5.30
110-180	179.81	N.A.	1.20
0-180	15355.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	494.05
10-20	1388.89
20-30	2045.87
30-40	2428.41
40-50	2457.1
50-60	2163.19
60-70	1702.02
70-80	1177.79
80-90	689.84
90-100	394.60
100-110	233.78
110-120	120.57
120-130	46.90
130-140	9.07
140-150	2.42
150-160	0.85
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	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	82	79	77
2	97	88	81	75	93	85	79	73	81	76	71	77	72	68	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	58	65	60	56	53
4	81	68	59	52	78	67	58	52	63	56	51	60	54	49	58	52	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	63	50	41	35	61	49	40	35	47	39	34	45	38	33	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	29	27
9	55	42	34	28	54	41	33	28	39	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	25	34	28	24	22

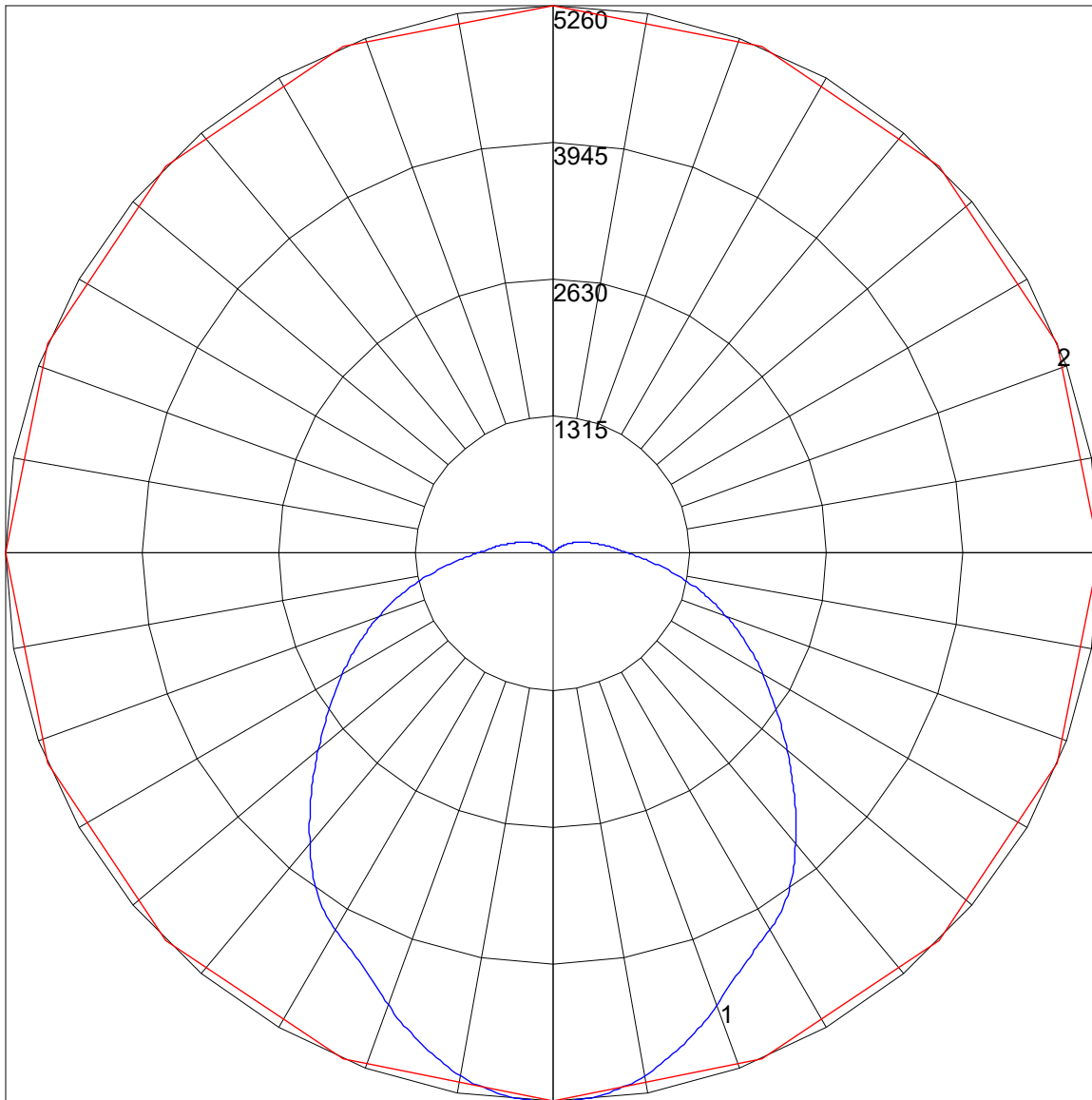
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UGR TABLE - CORRECTED

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	17.7	19.3	18.2	19.7	20.1	19.5	21.1	20.0	21.5	21.9
	3H	19.0	20.4	19.5	20.8	21.3	21.9	23.3	22.4	23.8	24.2
	4H	19.4	20.8	19.9	21.2	21.7	23.1	24.4	23.5	24.8	25.3
	6H	19.7	20.9	20.2	21.4	21.9	24.2	25.4	24.7	25.9	26.4
	8H	19.7	20.9	20.2	21.4	21.9	24.7	25.9	25.2	26.4	26.9
	12H	19.8	20.9	20.3	21.4	21.9	25.3	26.5	25.8	26.9	27.5
4H	2H	18.5	19.8	18.9	20.2	20.7	19.9	21.2	20.4	21.7	22.2
	3H	20.0	21.2	20.5	21.6	22.2	22.5	23.7	23.0	24.2	24.7
	4H	20.6	21.6	21.1	22.1	22.6	23.9	24.9	24.4	25.4	25.9
	6H	20.9	21.8	21.5	22.4	22.9	25.2	26.1	25.7	26.6	27.2
	8H	21.0	21.9	21.6	22.4	23.0	25.8	26.7	26.4	27.2	27.8
	12H	21.1	21.9	21.7	22.4	23.0	26.5	27.3	27.1	27.9	28.5
8H	4H	21.2	22.0	21.7	22.6	23.2	24.1	24.9	24.6	25.4	26.0
	6H	21.7	22.5	22.3	23.0	23.6	25.5	26.3	26.1	26.8	27.4
	8H	21.9	22.6	22.5	23.2	23.8	26.3	27.0	26.9	27.6	28.2
	12H	22.0	22.6	22.6	23.2	23.9	27.2	27.8	27.8	28.4	29.0
12H	4H	21.4	22.1	21.9	22.7	23.3	24.1	24.8	24.6	25.4	26.0
	6H	22.0	22.7	22.6	23.2	23.9	25.6	26.2	26.2	26.8	27.4
	8H	22.3	22.8	22.8	23.4	24.1	26.4	27.0	27.0	27.6	28.2

Maximum UGR = 29.0

POLAR GRAPH



Maximum Candela = 5260.294 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)