



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NVL G2 8 VL UV FRA 940.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 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] 112 white LEDs on four LS3872A6-4000K-R90 LED boards with 28 LEDs

[MORE] each.

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver labeled as 990mA

[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	6009
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	43.5
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	4065	3500	3387
55	3512	3002	3048
65	2874	2568	2828
75	2248	2258	2625
85	1568	2074	2371

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	736.88	N.A.	12.30
0-30	1537.52	N.A.	25.60
0-40	2487.86	N.A.	41.40
0-60	4295.99	N.A.	71.50
0-80	5422.98	N.A.	90.20
0-90	5692.95	N.A.	94.70
10-90	5499.6	N.A.	91.50
20-40	1750.99	N.A.	29.10
20-50	2712.56	N.A.	45.10
40-70	2474.2	N.A.	41.20
60-80	1127.00	N.A.	18.80
70-80	460.92	N.A.	7.70
80-90	269.96	N.A.	4.50
90-110	245.92	N.A.	4.10
90-120	293.10	N.A.	4.90
90-130	311.45	N.A.	5.20
90-150	315.95	N.A.	5.30
90-180	316.28	N.A.	5.30
110-180	70.37	N.A.	1.20
0-180	6009.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.34
10-20	543.53
20-30	800.64
30-40	950.35
40-50	961.57
50-60	846.55
60-70	666.07
70-80	460.92
80-90	269.96
90-100	154.43
100-110	91.49
110-120	47.18
120-130	18.36
130-140	3.55
140-150	0.95
150-160	0.33
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

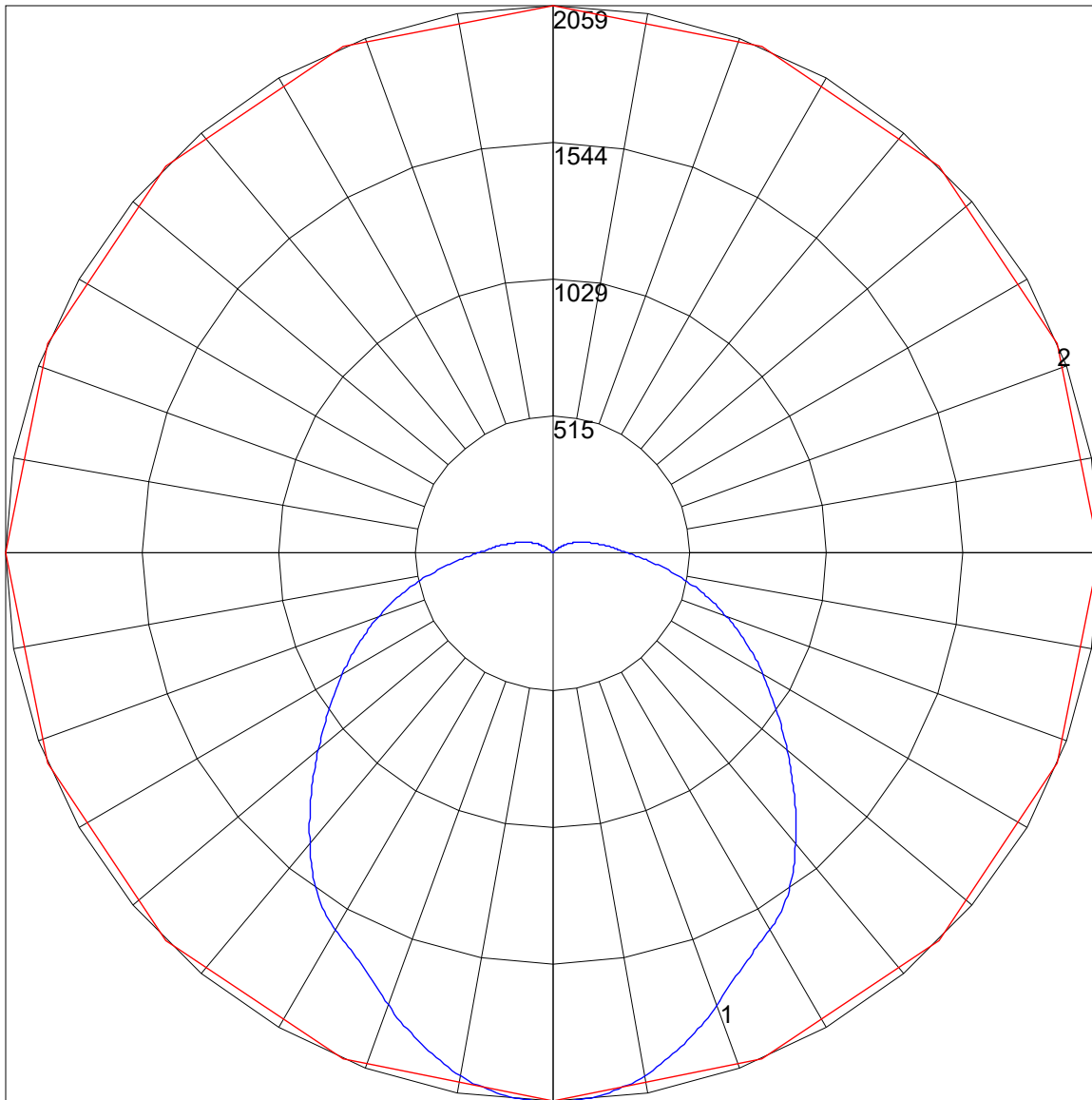
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UGR TABLE - CORRECTED

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	14.4	16.0	14.9	16.4	16.8	16.2	17.8	16.7	18.2	18.6
	3H	15.7	17.1	16.2	17.5	18.0	18.6	20.0	19.1	20.5	20.9
	4H	16.1	17.5	16.6	17.9	18.4	19.8	21.1	20.2	21.5	22.0
	6H	16.4	17.6	16.9	18.1	18.6	20.9	22.1	21.4	22.6	23.1
	8H	16.4	17.6	16.9	18.1	18.6	21.4	22.6	21.9	23.1	23.6
	12H	16.5	17.6	17.0	18.1	18.6	22.0	23.2	22.5	23.6	24.2
4H	2H	15.2	16.5	15.6	16.9	17.4	16.6	17.9	17.1	18.4	18.9
	3H	16.7	17.9	17.2	18.3	18.9	19.2	20.4	19.7	20.9	21.4
	4H	17.3	18.3	17.8	18.8	19.3	20.6	21.6	21.1	22.1	22.6
	6H	17.6	18.5	18.2	19.1	19.6	21.9	22.8	22.4	23.3	23.9
	8H	17.7	18.6	18.3	19.1	19.7	22.5	23.4	23.1	23.9	24.5
	12H	17.8	18.6	18.4	19.1	19.7	23.2	24.0	23.8	24.6	25.2
8H	4H	17.9	18.7	18.4	19.3	19.9	20.8	21.6	21.3	22.1	22.7
	6H	18.4	19.2	19.0	19.7	20.3	22.2	23.0	22.8	23.5	24.1
	8H	18.6	19.3	19.2	19.9	20.5	23.0	23.7	23.6	24.3	24.9
	12H	18.7	19.3	19.3	19.9	20.6	23.9	24.5	24.5	25.1	25.7
12H	4H	18.1	18.8	18.6	19.4	20.0	20.8	21.5	21.3	22.1	22.7
	6H	18.7	19.4	19.3	19.9	20.6	22.3	22.9	22.9	23.5	24.1
	8H	19.0	19.6	19.5	20.1	20.8	23.1	23.7	23.7	24.3	24.9

Maximum UGR = 25.7

POLAR GRAPH



Maximum Candela = 2058.586 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.)