



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 VL UV CPA 930.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001971-001A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 12/21/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] EWL N G2 2 VL UV CPA 930

[LUMINAIRE] Surface/pendant mounted, formed white painted steel housing

[MORE] and LED tray/reflector, clear prismatic plastic lens with linear prismatic

[MORE] sides.

[LAMP] 48 white LEDs on one LS3872B5-3000K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver labeled as 210mA

[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	1486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	11.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.71 ft
Luminous Height	0.10 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3742	3471	3371
55	2499	2667	2200
65	1812	1796	1651
75	1587	1249	1713
85	1261	977	1760

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	205.70	N.A.	13.80
0-30	439.38	N.A.	29.60
0-40	724.13	N.A.	48.70
0-60	1204.8	N.A.	81.10
0-80	1402.72	N.A.	94.40
0-90	1439.45	N.A.	96.90
10-90	1386.4	N.A.	93.30
20-40	518.43	N.A.	34.90
20-50	798.03	N.A.	53.70
40-70	603.33	N.A.	40.60
60-80	197.92	N.A.	13.30
70-80	75.26	N.A.	5.10
80-90	36.73	N.A.	2.50
90-110	26.90	N.A.	1.80
90-120	35.27	N.A.	2.40
90-130	40.33	N.A.	2.70
90-150	44.48	N.A.	3.00
90-180	46.51	N.A.	3.10
110-180	19.61	N.A.	1.30
0-180	1485.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	53.05
10-20	152.66
20-30	233.68
30-40	284.75
40-50	279.60
50-60	201.07
60-70	122.66
70-80	75.26
80-90	36.73
90-100	14.89
100-110	12.00
110-120	8.38
120-130	5.06
130-140	2.54
140-150	1.61
150-160	1.15
160-170	0.67
170-180	0.21

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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	104	104	104	99	99	99	97
1	109	104	100	96	105	101	98	94	97	94	91	92	90	87	88	86	84	82
2	99	92	85	80	96	89	83	78	85	80	76	82	78	74	78	75	72	70
3	91	81	73	67	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	84	72	64	58	81	71	63	57	68	61	56	65	60	55	63	58	54	52
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	52	47	45
6	72	59	50	44	69	58	50	44	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	39	51	43	38	49	43	38	47	42	37	35
8	62	49	41	35	60	48	40	35	46	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	37	31	43	36	31	41	35	31	40	35	30	29
10	54	41	34	29	53	41	33	28	40	33	28	38	32	28	37	32	28	26

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**UGR TABLE - CORRECTED**

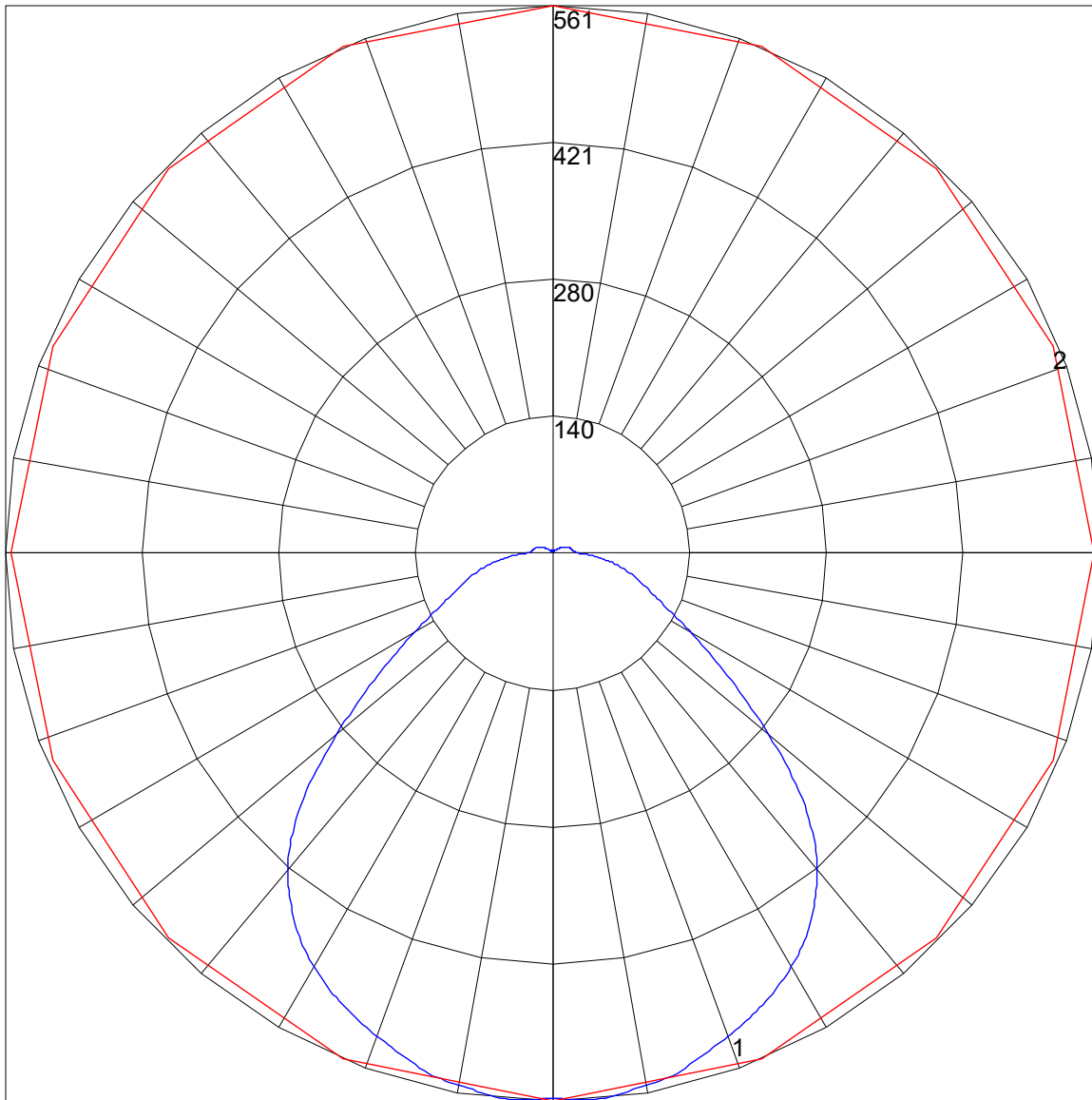
Reflectances

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	13.9	15.4	14.3	15.8	16.2	14.1	15.6	14.5	16.0	16.4
	3H	15.0	16.3	15.4	16.7	17.1	15.6	17.0	16.1	17.4	17.8
	4H	15.4	16.7	15.9	17.1	17.5	16.5	17.7	16.9	18.2	18.6
	6H	15.8	16.9	16.2	17.4	17.8	17.4	18.6	17.8	19.0	19.5
	8H	15.9	17.0	16.4	17.5	18.0	17.8	19.0	18.3	19.4	19.9
	12H	16.0	17.1	16.5	17.5	18.0	18.3	19.3	18.7	19.8	20.3
4H	2H	14.4	15.7	14.9	16.1	16.5	14.6	15.8	15.0	16.2	16.7
	3H	15.6	16.7	16.1	17.2	17.6	16.3	17.4	16.8	17.8	18.3
	4H	16.2	17.1	16.6	17.6	18.1	17.3	18.3	17.8	18.7	19.2
	6H	16.6	17.5	17.1	18.0	18.5	18.4	19.2	18.9	19.7	20.3
	8H	16.8	17.6	17.3	18.1	18.6	18.9	19.7	19.4	20.2	20.7
	12H	16.9	17.6	17.5	18.2	18.7	19.4	20.2	20.0	20.7	21.2
8H	4H	16.4	17.2	16.9	17.7	18.2	17.5	18.3	18.0	18.8	19.3
	6H	17.0	17.7	17.5	18.2	18.7	18.7	19.4	19.2	19.9	20.5
	8H	17.2	17.8	17.8	18.4	18.9	19.3	19.9	19.9	20.5	21.1
	12H	17.4	18.0	18.0	18.5	19.1	20.0	20.6	20.6	21.1	21.7
12H	4H	16.5	17.2	17.0	17.7	18.3	17.5	18.2	18.0	18.7	19.3
	6H	17.1	17.7	17.7	18.2	18.8	18.7	19.3	19.3	19.8	20.5
	8H	17.4	17.9	17.9	18.5	19.1	19.4	20.0	20.0	20.5	21.1

Maximum UGR = 21.7

POLAR GRAPH



Maximum Candela = 560.793 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)