



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 VH UV CPA 935.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 VH UV CPA 935

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

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

[MORE] sides.

[LAMP] 84 white LEDs on one LS3872B5-3500K-R90 LED board

[BALLAST] One ULT Everline D15CC55UNVPW-C LED driver labeled as 800mA

[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	4900
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	35.7
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	12340	11446	11115
55	8240	8794	7252
65	5976	5922	5443
75	5234	4117	5647
85	4159	3220	5802

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	678.25	N.A.	13.80
0-30	1448.75	N.A.	29.60
0-40	2387.64	N.A.	48.70
0-60	3972.51	N.A.	81.10
0-80	4625.11	N.A.	94.40
0-90	4746.22	N.A.	96.90
10-90	4571.31	N.A.	93.30
20-40	1709.39	N.A.	34.90
20-50	2631.3	N.A.	53.70
40-70	1989.33	N.A.	40.60
60-80	652.60	N.A.	13.30
70-80	248.14	N.A.	5.10
80-90	121.11	N.A.	2.50
90-110	88.68	N.A.	1.80
90-120	116.30	N.A.	2.40
90-130	132.98	N.A.	2.70
90-150	146.66	N.A.	3.00
90-180	153.34	N.A.	3.10
110-180	64.66	N.A.	1.30
0-180	4899.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	174.91
10-20	503.34
20-30	770.49
30-40	938.89
40-50	921.91
50-60	662.96
60-70	404.45
70-80	248.14
80-90	121.11
90-100	49.11
100-110	39.58
110-120	27.62
120-130	16.68
130-140	8.37
140-150	5.32
150-160	3.79
160-170	2.20
170-180	0.69

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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	108	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

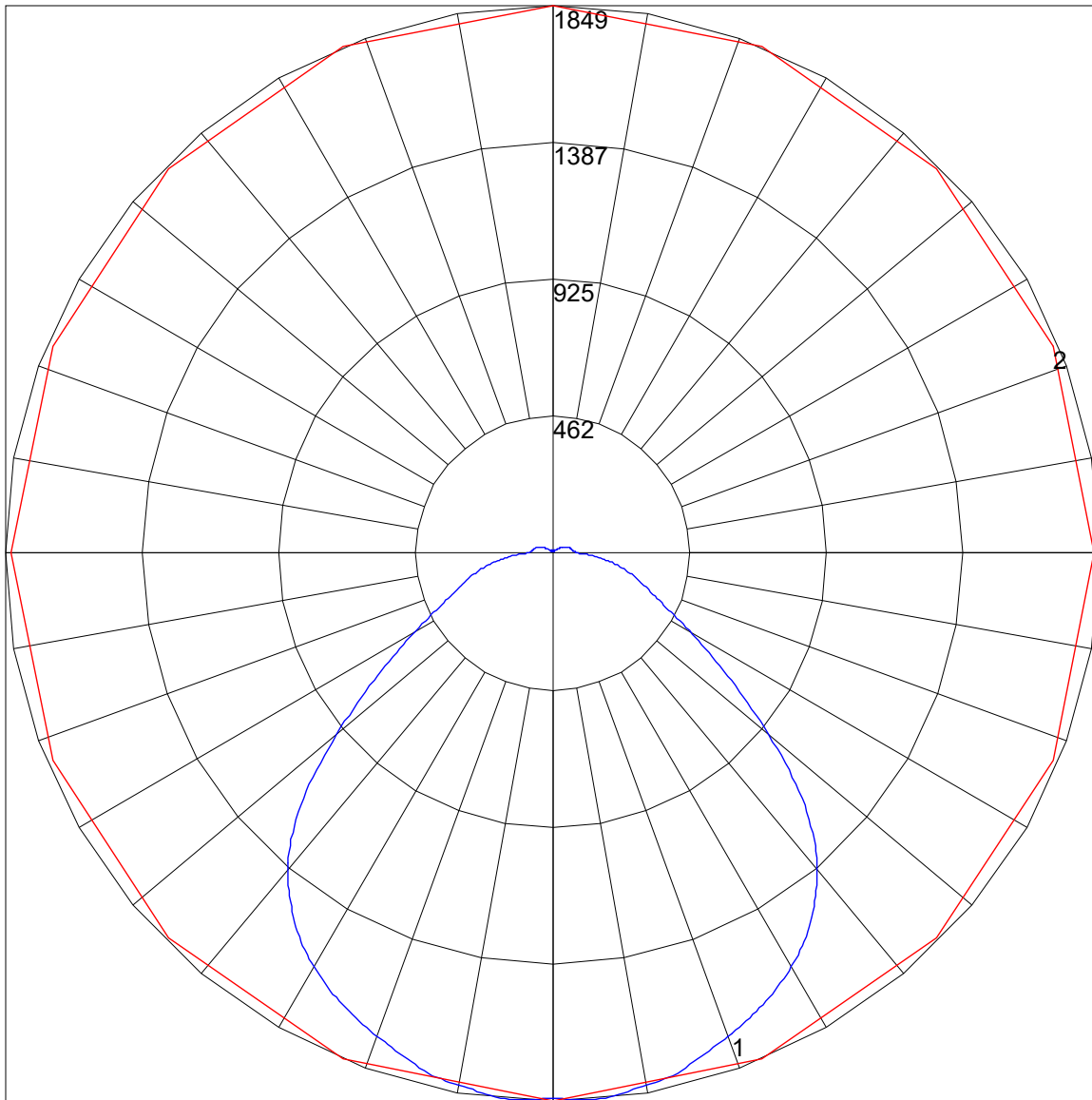
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**UGR TABLE - CORRECTED**

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	18.0	19.5	18.4	19.9	20.3	18.2	19.7	18.6	20.1	20.4
	3H	19.1	20.4	19.5	20.8	21.2	19.7	21.1	20.2	21.5	21.9
	4H	19.5	20.8	20.0	21.2	21.6	20.6	21.8	21.0	22.3	22.7
	6H	19.9	21.0	20.3	21.5	21.9	21.5	22.7	21.9	23.1	23.6
	8H	20.0	21.1	20.5	21.6	22.0	21.9	23.1	22.4	23.5	24.0
	12H	20.1	21.2	20.6	21.6	22.1	22.3	23.4	22.8	23.9	24.4
4H	2H	18.5	19.8	19.0	20.2	20.6	18.7	19.9	19.1	20.3	20.8
	3H	19.7	20.8	20.2	21.3	21.7	20.4	21.5	20.9	21.9	22.4
	4H	20.3	21.2	20.7	21.7	22.2	21.4	22.4	21.9	22.8	23.3
	6H	20.7	21.6	21.2	22.1	22.6	22.5	23.3	23.0	23.8	24.4
	8H	20.9	21.7	21.4	22.2	22.7	23.0	23.8	23.5	24.3	24.8
	12H	21.0	21.7	21.6	22.3	22.8	23.5	24.3	24.1	24.8	25.3
8H	4H	20.5	21.3	21.0	21.8	22.3	21.6	22.4	22.1	22.9	23.4
	6H	21.1	21.8	21.6	22.3	22.8	22.8	23.5	23.3	24.0	24.6
	8H	21.3	21.9	21.9	22.5	23.0	23.4	24.0	24.0	24.6	25.2
	12H	21.5	22.1	22.1	22.6	23.2	24.1	24.7	24.7	25.2	25.8
12H	4H	20.6	21.3	21.1	21.8	22.4	21.6	22.3	22.1	22.8	23.3
	6H	21.2	21.8	21.8	22.3	22.9	22.8	23.4	23.4	23.9	24.6
	8H	21.5	22.0	22.0	22.6	23.2	23.5	24.1	24.1	24.6	25.2

Maximum UGR = 25.8

POLAR GRAPH



Maximum Candela = 1849.073 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.)