



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 VH UV CPA 950.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 950

[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 LS3872B5-5000K-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	5016
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	12633	11718	11379
55	8436	9003	7425
65	6118	6062	5572
75	5358	4215	5782
85	4258	3297	5940

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	694.38	N.A.	13.80
0-30	1483.19	N.A.	29.60
0-40	2444.41	N.A.	48.70
0-60	4066.97	N.A.	81.10
0-80	4735.09	N.A.	94.40
0-90	4859.07	N.A.	96.90
10-90	4680.00	N.A.	93.30
20-40	1750.03	N.A.	34.90
20-50	2693.87	N.A.	53.70
40-70	2036.63	N.A.	40.60
60-80	668.11	N.A.	13.30
70-80	254.05	N.A.	5.10
80-90	123.99	N.A.	2.50
90-110	90.79	N.A.	1.80
90-120	119.07	N.A.	2.40
90-130	136.14	N.A.	2.70
90-150	150.15	N.A.	3.00
90-180	156.99	N.A.	3.10
110-180	66.20	N.A.	1.30
0-180	5016.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	179.07
10-20	515.31
20-30	788.81
30-40	961.22
40-50	943.83
50-60	678.73
60-70	414.07
70-80	254.05
80-90	123.99
90-100	50.27
100-110	40.52
110-120	28.27
120-130	17.07
130-140	8.56
140-150	5.45
150-160	3.88
160-170	2.26
170-180	0.70

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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

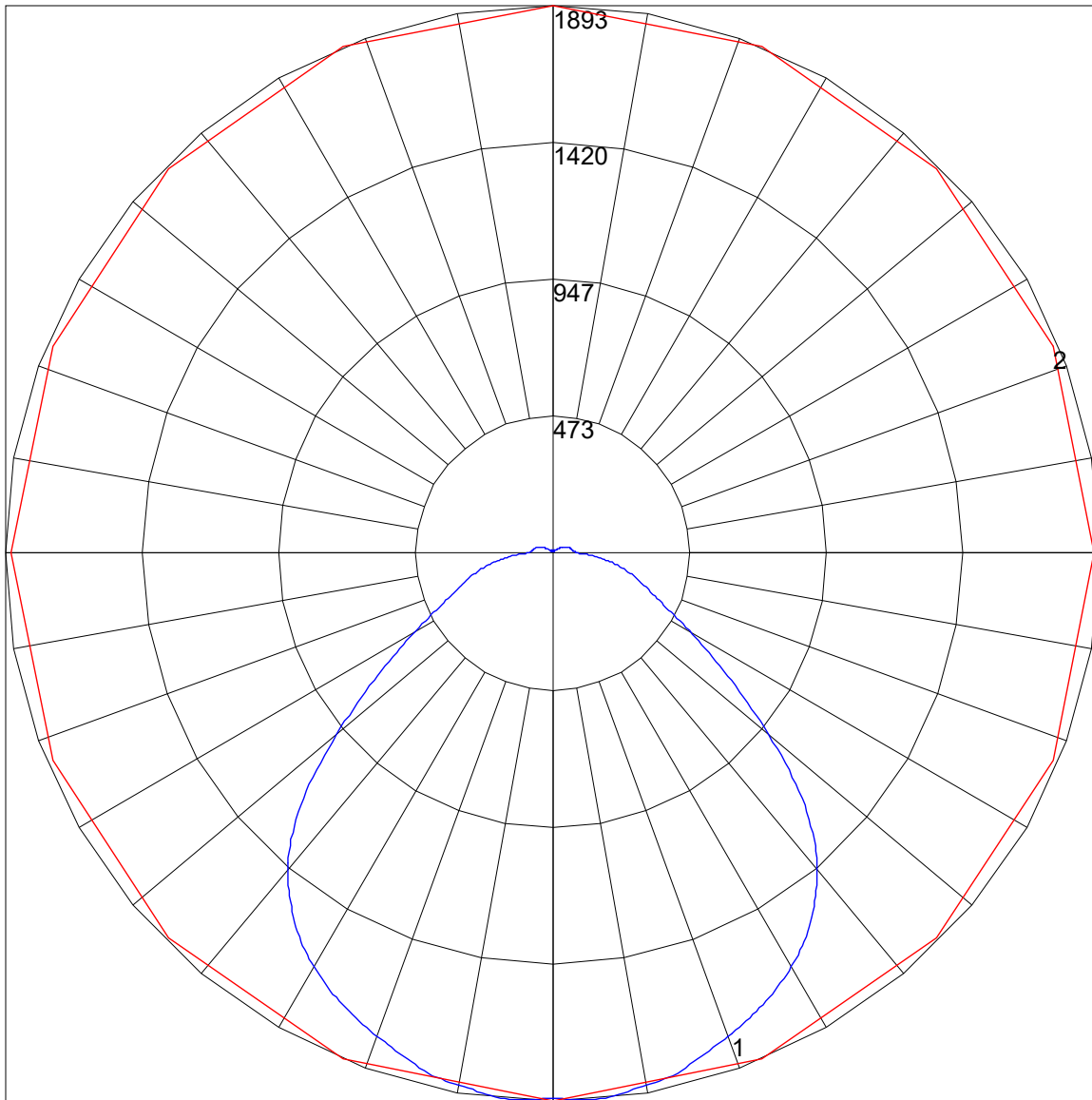
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**UGR TABLE - CORRECTED**

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	18.1	19.6	18.5	20.0	20.4	18.3	19.8	18.7	20.2	20.5
	3H	19.2	20.5	19.6	20.9	21.3	19.8	21.2	20.3	21.6	22.0
	4H	19.6	20.9	20.1	21.3	21.7	20.7	21.9	21.1	22.4	22.8
	6H	20.0	21.1	20.4	21.6	22.0	21.6	22.8	22.0	23.2	23.7
	8H	20.1	21.2	20.6	21.7	22.1	22.0	23.2	22.5	23.6	24.1
	12H	20.2	21.3	20.7	21.7	22.2	22.4	23.5	22.9	24.0	24.5
4H	2H	18.6	19.9	19.1	20.3	20.7	18.8	20.0	19.2	20.4	20.9
	3H	19.8	20.9	20.3	21.4	21.8	20.5	21.6	21.0	22.0	22.5
	4H	20.4	21.3	20.8	21.8	22.3	21.5	22.5	22.0	22.9	23.4
	6H	20.8	21.7	21.3	22.2	22.7	22.6	23.4	23.1	23.9	24.5
	8H	21.0	21.8	21.5	22.3	22.8	23.1	23.9	23.6	24.4	24.9
	12H	21.1	21.8	21.7	22.4	22.9	23.6	24.4	24.2	24.9	25.4
8H	4H	20.6	21.4	21.1	21.9	22.4	21.7	22.5	22.2	23.0	23.5
	6H	21.2	21.9	21.7	22.4	22.9	22.9	23.6	23.4	24.1	24.7
	8H	21.4	22.0	22.0	22.6	23.1	23.5	24.1	24.1	24.7	25.3
	12H	21.6	22.2	22.2	22.7	23.3	24.2	24.8	24.8	25.3	25.9
12H	4H	20.7	21.4	21.2	21.9	22.5	21.7	22.4	22.2	22.9	23.4
	6H	21.3	21.9	21.9	22.4	23.0	22.9	23.5	23.5	24.0	24.6
	8H	21.6	22.1	22.1	22.7	23.3	23.6	24.2	24.2	24.7	25.3

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 1893.041 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.)