



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 MD 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 MD 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] 48 white LEDs on one LS3872B5-3500K-R90 LED board

[BALLAST] One ULT Everline D700C20UNVPW-C LED driver labeled as 430mA

[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	2993
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	22.5
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	7537	6991	6789
55	5033	5371	4430
65	3650	3617	3324
75	3197	2515	3449
85	2540	1967	3544

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	414.28	N.A.	13.80
0-30	884.91	N.A.	29.60
0-40	1458.39	N.A.	48.70
0-60	2426.44	N.A.	81.10
0-80	2825.05	N.A.	94.40
0-90	2899.03	N.A.	96.90
10-90	2792.19	N.A.	93.30
20-40	1044.11	N.A.	34.90
20-50	1607.22	N.A.	53.70
40-70	1215.1	N.A.	40.60
60-80	398.61	N.A.	13.30
70-80	151.57	N.A.	5.10
80-90	73.97	N.A.	2.50
90-110	54.17	N.A.	1.80
90-120	71.04	N.A.	2.40
90-130	81.22	N.A.	2.70
90-150	89.58	N.A.	3.00
90-180	93.66	N.A.	3.10
110-180	39.50	N.A.	1.30
0-180	2992.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.84
10-20	307.44
20-30	470.62
30-40	573.48
40-50	563.11
50-60	404.94
60-70	247.04
70-80	151.57
80-90	73.97
90-100	29.99
100-110	24.17
110-120	16.87
120-130	10.19
130-140	5.11
140-150	3.25
150-160	2.31
160-170	1.35
170-180	0.42

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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

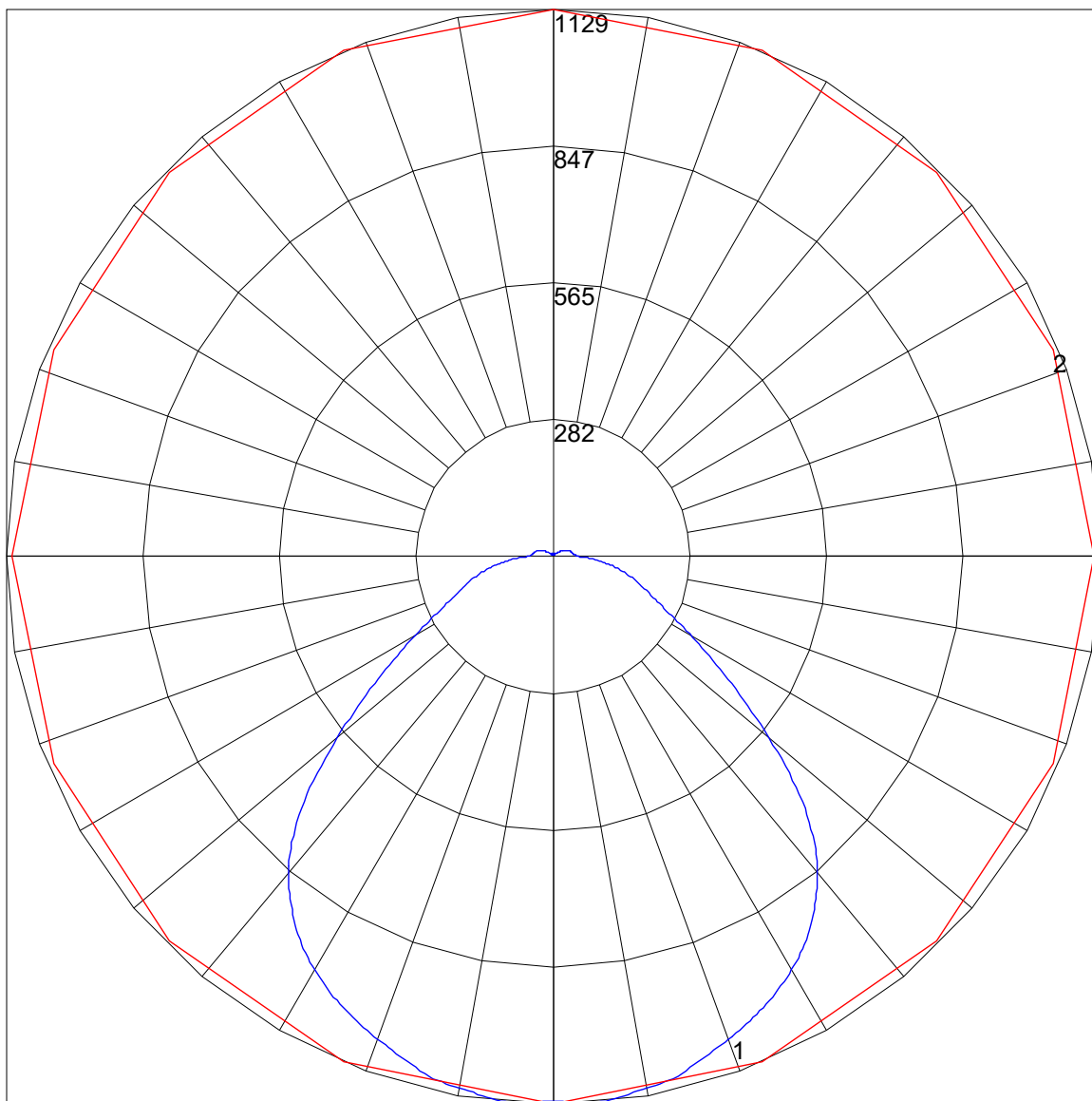
Reflectances

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	16.3	17.8	16.7	18.2	18.6	16.5	18.0	16.9	18.4	18.7
	3H	17.4	18.7	17.8	19.1	19.5	18.0	19.4	18.5	19.8	20.2
	4H	17.8	19.1	18.3	19.5	19.9	18.9	20.1	19.3	20.6	21.0
	6H	18.2	19.3	18.6	19.8	20.2	19.8	21.0	20.2	21.4	21.9
	8H	18.3	19.4	18.8	19.9	20.3	20.2	21.4	20.7	21.8	22.3
	12H	18.4	19.5	18.9	19.9	20.4	20.6	21.7	21.1	22.2	22.7
4H	2H	16.8	18.1	17.3	18.5	18.9	17.0	18.2	17.4	18.6	19.1
	3H	18.0	19.1	18.5	19.6	20.0	18.7	19.8	19.2	20.2	20.7
	4H	18.6	19.5	19.0	20.0	20.5	19.7	20.7	20.2	21.1	21.6
	6H	19.0	19.9	19.5	20.4	20.9	20.8	21.6	21.3	22.1	22.7
	8H	19.2	20.0	19.7	20.5	21.0	21.3	22.1	21.8	22.6	23.1
	12H	19.3	20.0	19.9	20.6	21.1	21.8	22.6	22.4	23.1	23.6
8H	4H	18.8	19.6	19.3	20.1	20.6	19.9	20.7	20.4	21.2	21.7
	6H	19.4	20.1	19.9	20.6	21.1	21.1	21.8	21.6	22.3	22.9
	8H	19.6	20.2	20.2	20.8	21.3	21.7	22.3	22.3	22.9	23.5
	12H	19.8	20.4	20.4	20.9	21.5	22.4	23.0	23.0	23.5	24.1
12H	4H	18.9	19.6	19.4	20.1	20.7	19.9	20.6	20.4	21.1	21.6
	6H	19.5	20.1	20.1	20.6	21.2	21.1	21.7	21.7	22.2	22.8
	8H	19.8	20.3	20.3	20.9	21.5	21.8	22.4	22.4	22.9	23.5

Maximum UGR = 24.1

POLAR GRAPH



Maximum Candela = 1129.428 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.)