



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 MD 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 MD 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 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	2979
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
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	7504	6960	6759
55	5011	5347	4410
65	3634	3601	3310
75	3183	2504	3434
85	2529	1958	3528

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	412.44	N.A.	13.80
0-30	880.97	N.A.	29.60
0-40	1451.91	N.A.	48.70
0-60	2415.66	N.A.	81.10
0-80	2812.5	N.A.	94.40
0-90	2886.15	N.A.	96.90
10-90	2779.78	N.A.	93.30
20-40	1039.47	N.A.	34.90
20-50	1600.08	N.A.	53.70
40-70	1209.7	N.A.	40.60
60-80	396.84	N.A.	13.30
70-80	150.90	N.A.	5.10
80-90	73.65	N.A.	2.50
90-110	53.93	N.A.	1.80
90-120	70.72	N.A.	2.40
90-130	80.86	N.A.	2.70
90-150	89.19	N.A.	3.00
90-180	93.25	N.A.	3.10
110-180	39.32	N.A.	1.30
0-180	2979.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.36
10-20	306.08
20-30	468.53
30-40	570.94
40-50	560.61
50-60	403.14
60-70	245.94
70-80	150.90
80-90	73.65
90-100	29.86
100-110	24.07
110-120	16.79
120-130	10.14
130-140	5.09
140-150	3.24
150-160	2.30
160-170	1.34
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	109	104	100	96	106	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

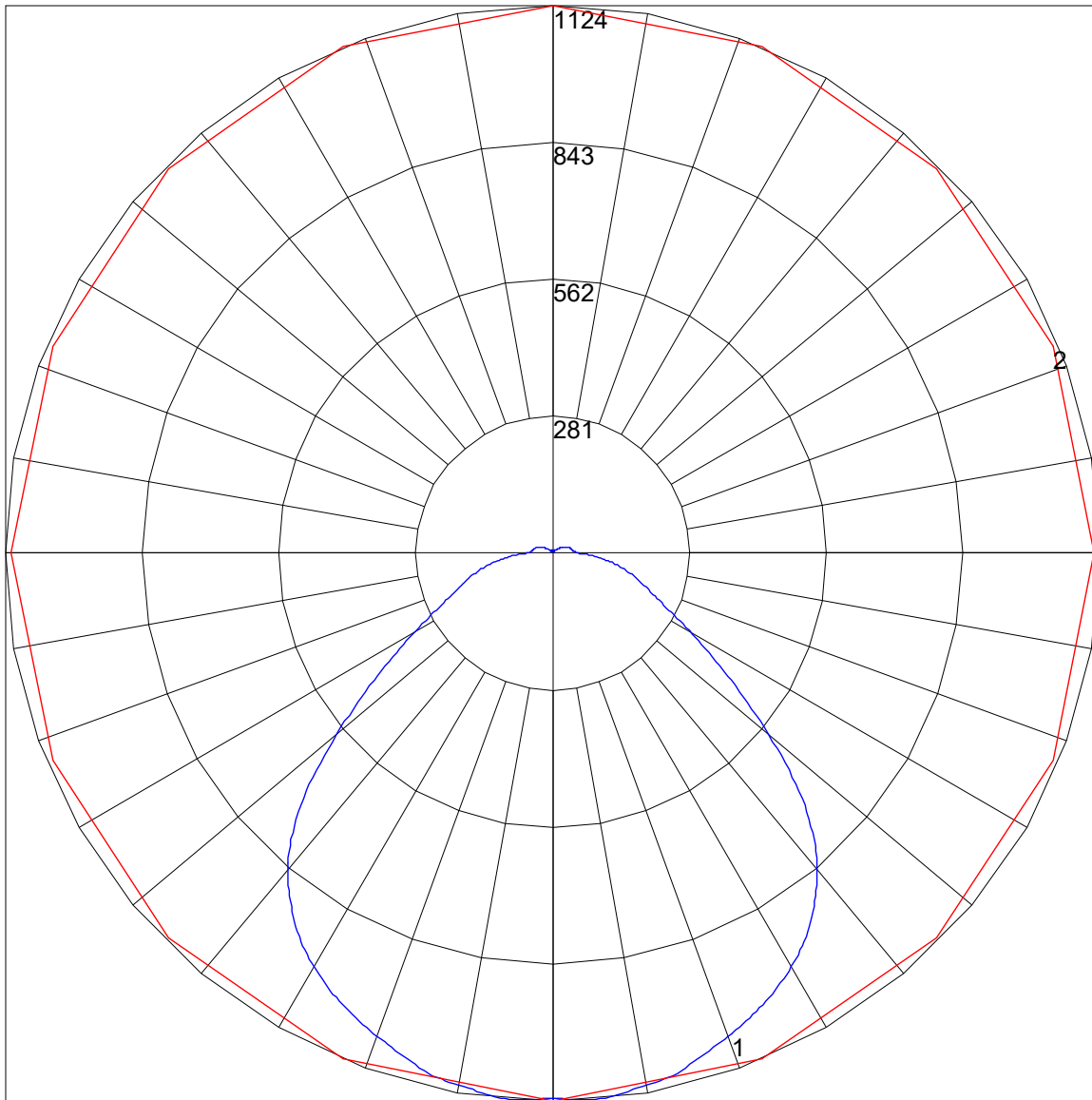
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UGR TABLE - CORRECTED

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	18.8
	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	22.9
	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 = 1124.41 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.)