



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 LW 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 LW 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 290mA

[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	2048
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	15.7
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	5158	4785	4646
55	3445	3676	3032
65	2498	2475	2275
75	2188	1721	2361
85	1739	1346	2425

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	283.53	N.A.	13.80
0-30	605.62	N.A.	29.60
0-40	998.11	N.A.	48.70
0-60	1660.64	N.A.	81.10
0-80	1933.44	N.A.	94.40
0-90	1984.07	N.A.	96.90
10-90	1910.95	N.A.	93.30
20-40	714.58	N.A.	34.90
20-50	1099.97	N.A.	53.70
40-70	831.60	N.A.	40.60
60-80	272.81	N.A.	13.30
70-80	103.73	N.A.	5.10
80-90	50.63	N.A.	2.50
90-110	37.07	N.A.	1.80
90-120	48.62	N.A.	2.40
90-130	55.59	N.A.	2.70
90-150	61.31	N.A.	3.00
90-180	64.10	N.A.	3.10
110-180	27.03	N.A.	1.30
0-180	2048.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.12
10-20	210.41
20-30	322.09
30-40	392.49
40-50	385.39
50-60	277.14
60-70	169.07
70-80	103.73
80-90	50.63
90-100	20.53
100-110	16.54
110-120	11.55
120-130	6.97
130-140	3.50
140-150	2.22
150-160	1.58
160-170	0.92
170-180	0.29

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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

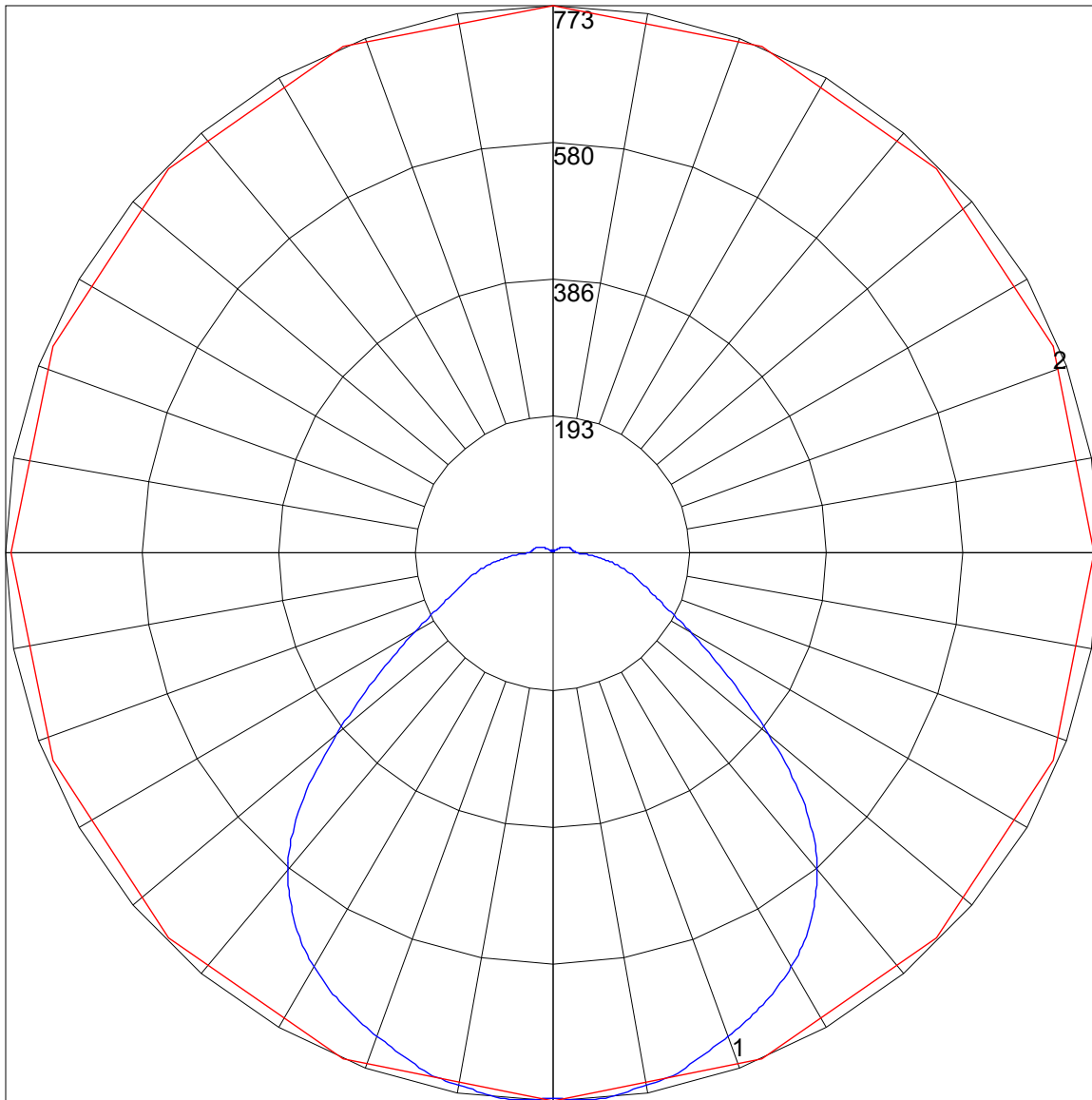
Reflectances

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	15.0	16.5	15.4	16.9	17.3	15.2	16.7	15.6	17.1	17.4
	3H	16.1	17.4	16.5	17.8	18.2	16.7	18.1	17.2	18.5	18.9
	4H	16.5	17.8	17.0	18.2	18.6	17.6	18.8	18.0	19.3	19.7
	6H	16.9	18.0	17.3	18.5	18.9	18.5	19.7	18.9	20.1	20.6
	8H	17.0	18.1	17.5	18.6	19.0	18.9	20.1	19.4	20.5	21.0
	12H	17.1	18.2	17.6	18.6	19.1	19.3	20.4	19.8	20.9	21.4
4H	2H	15.5	16.8	16.0	17.2	17.6	15.7	16.9	16.1	17.3	17.8
	3H	16.7	17.8	17.2	18.3	18.7	17.4	18.5	17.9	18.9	19.4
	4H	17.3	18.2	17.7	18.7	19.2	18.4	19.4	18.9	19.8	20.3
	6H	17.7	18.6	18.2	19.1	19.6	19.5	20.3	20.0	20.8	21.4
	8H	17.9	18.7	18.4	19.2	19.7	20.0	20.8	20.5	21.3	21.8
	12H	18.0	18.7	18.6	19.3	19.8	20.5	21.3	21.1	21.8	22.3
8H	4H	17.5	18.3	18.0	18.8	19.3	18.6	19.4	19.1	19.9	20.4
	6H	18.1	18.8	18.6	19.3	19.8	19.8	20.5	20.3	21.0	21.6
	8H	18.3	18.9	18.9	19.5	20.0	20.4	21.0	21.0	21.6	22.2
	12H	18.5	19.1	19.1	19.6	20.2	21.1	21.7	21.7	22.2	22.8
12H	4H	17.6	18.3	18.1	18.8	19.4	18.6	19.3	19.1	19.8	20.3
	6H	18.2	18.8	18.8	19.3	19.9	19.8	20.4	20.4	20.9	21.5
	8H	18.5	19.0	19.0	19.5	20.2	20.5	21.1	21.1	21.6	22.2

Maximum UGR = 22.8

POLAR GRAPH



Maximum Candela = 772.971 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.)