



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 HI 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 HI 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] 64 white LEDs on one LS3872B5-3500K-R90 LED board

[BALLAST] One ULT Everline D10CC30UNVPW-C LED driver labeled as 570mA

[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	3969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	29.4
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	9996	9272	9004
55	6675	7123	5875
65	4841	4797	4409
75	4239	3335	4575
85	3369	2608	4700

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	549.41	N.A.	13.80
0-30	1173.54	N.A.	29.60
0-40	1934.08	N.A.	48.70
0-60	3217.89	N.A.	81.10
0-80	3746.51	N.A.	94.40
0-90	3844.62	N.A.	96.90
10-90	3702.93	N.A.	93.30
20-40	1384.67	N.A.	34.90
20-50	2131.45	N.A.	53.70
40-70	1611.43	N.A.	40.60
60-80	528.63	N.A.	13.30
70-80	201.01	N.A.	5.10
80-90	98.10	N.A.	2.50
90-110	71.84	N.A.	1.80
90-120	94.21	N.A.	2.40
90-130	107.72	N.A.	2.70
90-150	118.80	N.A.	3.00
90-180	124.21	N.A.	3.10
110-180	52.38	N.A.	1.30
0-180	3968.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.69
10-20	407.73
20-30	624.13
30-40	760.54
40-50	746.78
50-60	537.02
60-70	327.62
70-80	201.01
80-90	98.10
90-100	39.78
100-110	32.06
110-120	22.37
120-130	13.51
130-140	6.78
140-150	4.31
150-160	3.07
160-170	1.79
170-180	0.55

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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

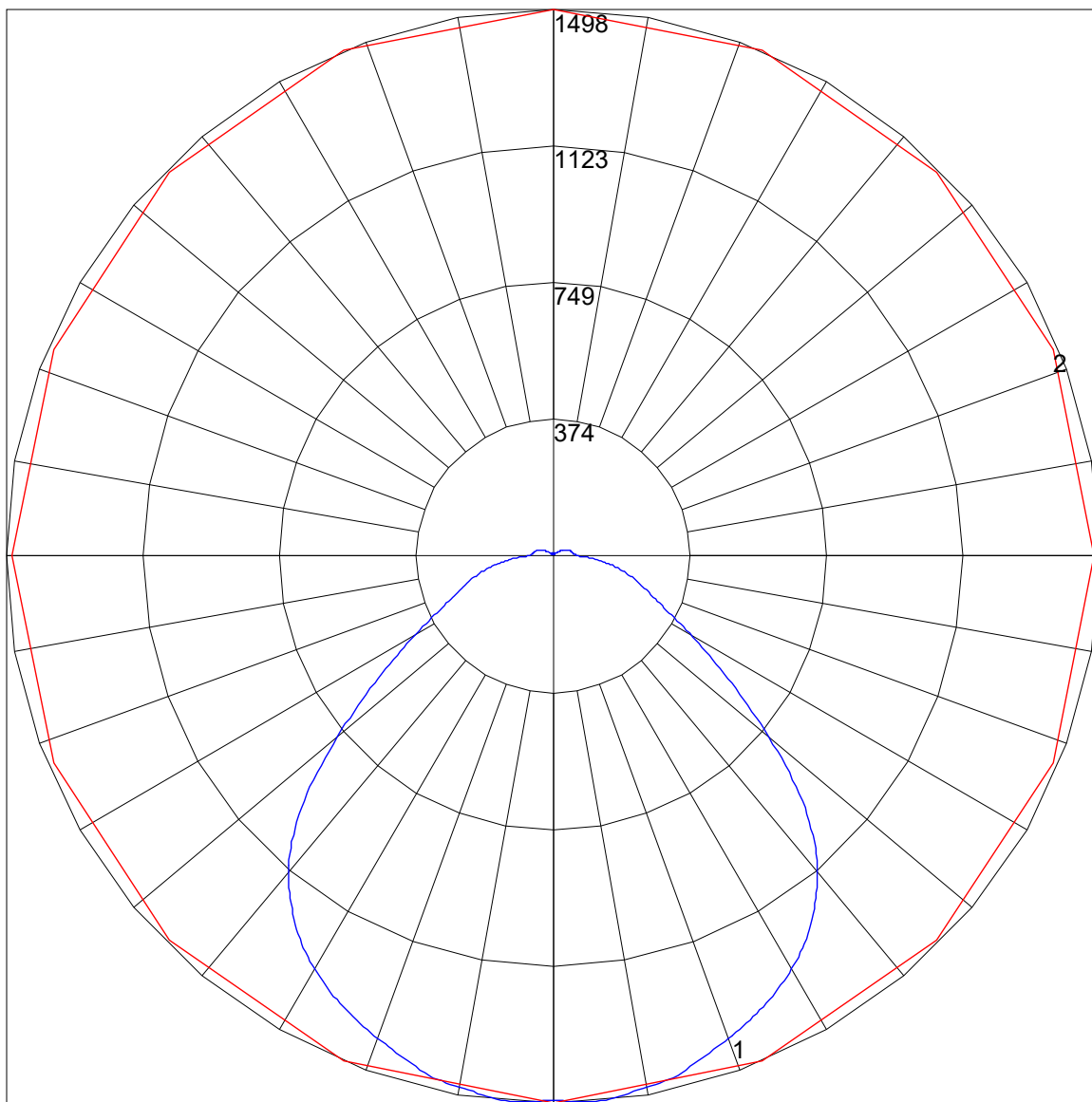
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UGR TABLE - CORRECTED

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	17.3	18.8	17.7	19.2	19.6	17.5	19.0	17.9	19.4	19.7
	3H	18.4	19.7	18.8	20.1	20.5	19.0	20.4	19.5	20.8	21.2
	4H	18.8	20.1	19.3	20.5	20.9	19.9	21.1	20.3	21.6	22.0
	6H	19.2	20.3	19.6	20.8	21.2	20.8	22.0	21.2	22.4	22.9
	8H	19.3	20.4	19.8	20.9	21.3	21.2	22.4	21.7	22.8	23.3
	12H	19.4	20.5	19.9	20.9	21.4	21.6	22.7	22.1	23.2	23.7
4H	2H	17.8	19.1	18.3	19.5	19.9	18.0	19.2	18.4	19.6	20.1
	3H	19.0	20.1	19.5	20.6	21.0	19.7	20.8	20.2	21.2	21.7
	4H	19.6	20.5	20.0	21.0	21.5	20.7	21.7	21.2	22.1	22.6
	6H	20.0	20.9	20.5	21.4	21.9	21.8	22.6	22.3	23.1	23.7
	8H	20.2	21.0	20.7	21.5	22.0	22.3	23.1	22.8	23.6	24.1
	12H	20.3	21.0	20.9	21.6	22.1	22.8	23.6	23.4	24.1	24.6
8H	4H	19.8	20.6	20.3	21.1	21.6	20.9	21.7	21.4	22.2	22.7
	6H	20.4	21.1	20.9	21.6	22.1	22.1	22.8	22.6	23.3	23.9
	8H	20.6	21.2	21.2	21.8	22.3	22.7	23.3	23.3	23.9	24.5
	12H	20.8	21.4	21.4	21.9	22.5	23.4	24.0	24.0	24.5	25.1
12H	4H	19.9	20.6	20.4	21.1	21.7	20.9	21.6	21.4	22.1	22.6
	6H	20.5	21.1	21.1	21.6	22.2	22.1	22.7	22.7	23.2	23.8
	8H	20.8	21.3	21.3	21.9	22.5	22.8	23.4	23.4	23.9	24.5

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 1497.819 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.)