



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 MD UV CPA 940.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 940

[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 LS3872B5-4000K-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	3063
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
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	7715	7156	6950
55	5152	5498	4534
65	3736	3702	3403
75	3272	2574	3531
85	2600	2013	3628

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	424.07	N.A.	13.80
0-30	905.81	N.A.	29.60
0-40	1492.85	N.A.	48.70
0-60	2483.77	N.A.	81.10
0-80	2891.8	N.A.	94.40
0-90	2967.52	N.A.	96.90
10-90	2858.16	N.A.	93.30
20-40	1068.78	N.A.	34.90
20-50	1645.19	N.A.	53.70
40-70	1243.81	N.A.	40.60
60-80	408.03	N.A.	13.30
70-80	155.15	N.A.	5.10
80-90	75.72	N.A.	2.50
90-110	55.45	N.A.	1.80
90-120	72.72	N.A.	2.40
90-130	83.14	N.A.	2.70
90-150	91.70	N.A.	3.00
90-180	95.88	N.A.	3.10
110-180	40.43	N.A.	1.30
0-180	3063.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.36
10-20	314.71
20-30	481.74
30-40	587.03
40-50	576.42
50-60	414.51
60-70	252.88
70-80	155.15
80-90	75.72
90-100	30.70
100-110	24.75
110-120	17.27
120-130	10.43
130-140	5.23
140-150	3.33
150-160	2.37
160-170	1.38
170-180	0.43

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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

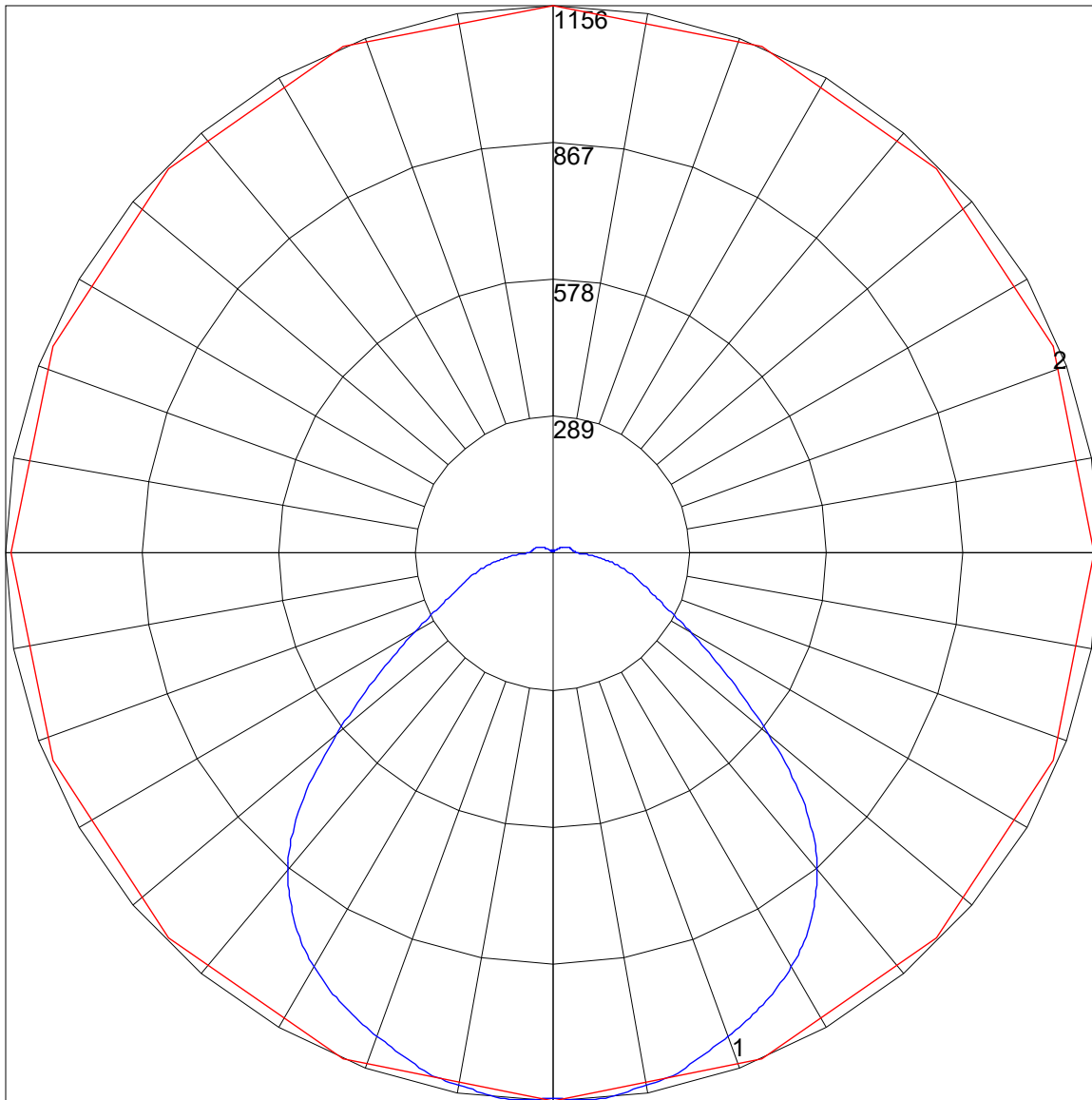
Reflectances

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	16.4	17.9	16.8	18.3	18.7	16.6	18.1	17.0	18.5	18.8
	3H	17.5	18.8	17.9	19.2	19.6	18.1	19.5	18.6	19.9	20.3
	4H	17.9	19.2	18.4	19.6	20.0	19.0	20.2	19.4	20.7	21.1
	6H	18.3	19.4	18.7	19.9	20.3	19.9	21.1	20.3	21.5	22.0
	8H	18.4	19.5	18.9	20.0	20.4	20.3	21.5	20.8	21.9	22.4
	12H	18.5	19.6	19.0	20.0	20.5	20.7	21.8	21.2	22.3	22.8
4H	2H	16.9	18.2	17.4	18.6	19.0	17.1	18.3	17.5	18.7	19.2
	3H	18.1	19.2	18.6	19.7	20.1	18.8	19.9	19.3	20.3	20.8
	4H	18.7	19.6	19.1	20.1	20.6	19.8	20.8	20.3	21.2	21.7
	6H	19.1	20.0	19.6	20.5	21.0	20.9	21.7	21.4	22.2	22.8
	8H	19.3	20.1	19.8	20.6	21.1	21.4	22.2	21.9	22.7	23.2
	12H	19.4	20.1	20.0	20.7	21.2	21.9	22.7	22.5	23.2	23.7
8H	4H	18.9	19.7	19.4	20.2	20.7	20.0	20.8	20.5	21.3	21.8
	6H	19.5	20.2	20.0	20.7	21.2	21.2	21.9	21.7	22.4	23.0
	8H	19.7	20.3	20.3	20.9	21.4	21.8	22.4	22.4	23.0	23.6
	12H	19.9	20.5	20.5	21.0	21.6	22.5	23.1	23.1	23.6	24.2
12H	4H	19.0	19.7	19.5	20.2	20.8	20.0	20.7	20.5	21.2	21.7
	6H	19.6	20.2	20.2	20.7	21.3	21.2	21.8	21.8	22.3	22.9
	8H	19.9	20.4	20.4	21.0	21.6	21.9	22.5	22.5	23.0	23.6

Maximum UGR = 24.2

POLAR GRAPH



Maximum Candela = 1156.114 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.)