



IES INDOOR REPORT

PHOTOMETRIC FILENAME : EWL N G2 2 HI 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 HI 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] 64 white LEDs on one LS3872B5-4000K-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	4063
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
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	10233	9492	9218
55	6834	7293	6014
65	4956	4911	4513
75	4340	3414	4683
85	3449	2670	4812

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	562.47	N.A.	13.80
0-30	1201.42	N.A.	29.60
0-40	1980.03	N.A.	48.70
0-60	3294.35	N.A.	81.10
0-80	3835.53	N.A.	94.40
0-90	3935.97	N.A.	96.90
10-90	3790.92	N.A.	93.30
20-40	1417.57	N.A.	34.90
20-50	2182.1	N.A.	53.70
40-70	1649.72	N.A.	40.60
60-80	541.19	N.A.	13.30
70-80	205.78	N.A.	5.10
80-90	100.43	N.A.	2.50
90-110	73.54	N.A.	1.80
90-120	96.45	N.A.	2.40
90-130	110.28	N.A.	2.70
90-150	121.63	N.A.	3.00
90-180	127.17	N.A.	3.10
110-180	53.62	N.A.	1.30
0-180	4063.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.05
10-20	417.41
20-30	638.96
30-40	778.61
40-50	764.53
50-60	549.78
60-70	335.41
70-80	205.78
80-90	100.43
90-100	40.72
100-110	32.82
110-120	22.90
120-130	13.83
130-140	6.94
140-150	4.41
150-160	3.14
160-170	1.83
170-180	0.57

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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

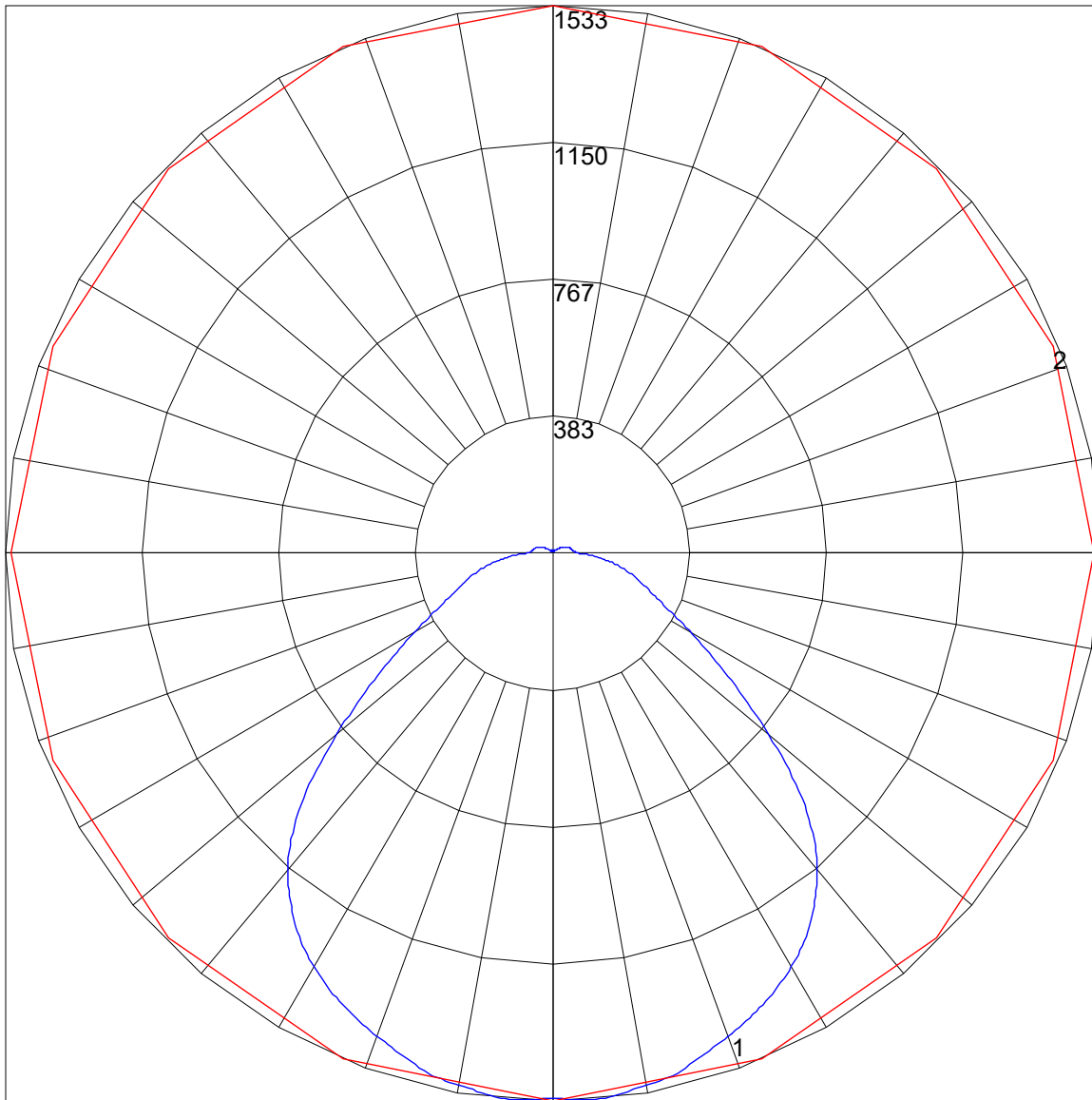
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UGR TABLE - CORRECTED

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	17.4	18.9	17.8	19.3	19.7	17.6	19.1	18.0	19.5	19.8
	3H	18.5	19.8	18.9	20.2	20.6	19.1	20.5	19.6	20.9	21.3
	4H	18.9	20.2	19.4	20.6	21.0	20.0	21.2	20.4	21.7	22.1
	6H	19.3	20.4	19.7	20.9	21.3	20.9	22.1	21.3	22.5	23.0
	8H	19.4	20.5	19.9	21.0	21.4	21.3	22.5	21.8	22.9	23.4
	12H	19.5	20.6	20.0	21.0	21.5	21.7	22.8	22.2	23.3	23.8
4H	2H	17.9	19.2	18.4	19.6	20.0	18.1	19.3	18.5	19.7	20.2
	3H	19.1	20.2	19.6	20.7	21.1	19.8	20.9	20.3	21.3	21.8
	4H	19.7	20.6	20.1	21.1	21.6	20.8	21.8	21.3	22.2	22.7
	6H	20.1	21.0	20.6	21.5	22.0	21.9	22.7	22.4	23.2	23.8
	8H	20.3	21.1	20.8	21.6	22.1	22.4	23.2	22.9	23.7	24.2
	12H	20.4	21.1	21.0	21.7	22.2	22.9	23.7	23.5	24.2	24.7
8H	4H	19.9	20.7	20.4	21.2	21.7	21.0	21.8	21.5	22.3	22.8
	6H	20.5	21.2	21.0	21.7	22.2	22.2	22.9	22.7	23.4	24.0
	8H	20.7	21.3	21.3	21.9	22.4	22.8	23.4	23.4	24.0	24.6
	12H	20.9	21.5	21.5	22.0	22.6	23.5	24.1	24.1	24.6	25.2
12H	4H	20.0	20.7	20.5	21.2	21.8	21.0	21.7	21.5	22.2	22.7
	6H	20.6	21.2	21.2	21.7	22.3	22.2	22.8	22.8	23.3	24.0
	8H	20.9	21.4	21.4	22.0	22.6	22.9	23.5	23.5	24.0	24.6

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 1533.409 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.)