



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 ML UV FR 930.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/1/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 6 ML UV FR 930

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,

[MORE] translucent curved plastic enclosure.

[LAMP] 84 white LEDs on three LS3872A LED boards

[BALLAST] One ULT D10CC30UNVPW-C LED driver labeled as 720mA

[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	4738
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	32.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6688	6427	6399
55	5842	5839	5878
65	4712	5115	5188
75	3447	4385	4393
85	2044	4112	3853

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	589.04	N.A.	12.40
0-30	1252.65	N.A.	26.40
0-40	2051.08	N.A.	43.30
0-60	3595.41	N.A.	75.90
0-80	4481.89	N.A.	94.60
0-90	4653.21	N.A.	98.20
10-90	4501.1	N.A.	95.00
20-40	1462.04	N.A.	30.90
20-50	2281.3	N.A.	48.20
40-70	2090.2	N.A.	44.10
60-80	886.48	N.A.	18.70
70-80	340.60	N.A.	7.20
80-90	171.32	N.A.	3.60
90-110	84.45	N.A.	1.80
90-120	84.62	N.A.	1.80
90-130	84.62	N.A.	1.80
90-150	84.62	N.A.	1.80
90-180	84.62	N.A.	1.80
110-180	0.17	N.A.	0.00
0-180	4737.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	152.10
10-20	436.93
20-30	663.61
30-40	798.43
40-50	819.25
50-60	725.07
60-70	545.87
70-80	340.60
80-90	171.32
90-100	68.67
100-110	15.78
110-120	0.17
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	51	42	36	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

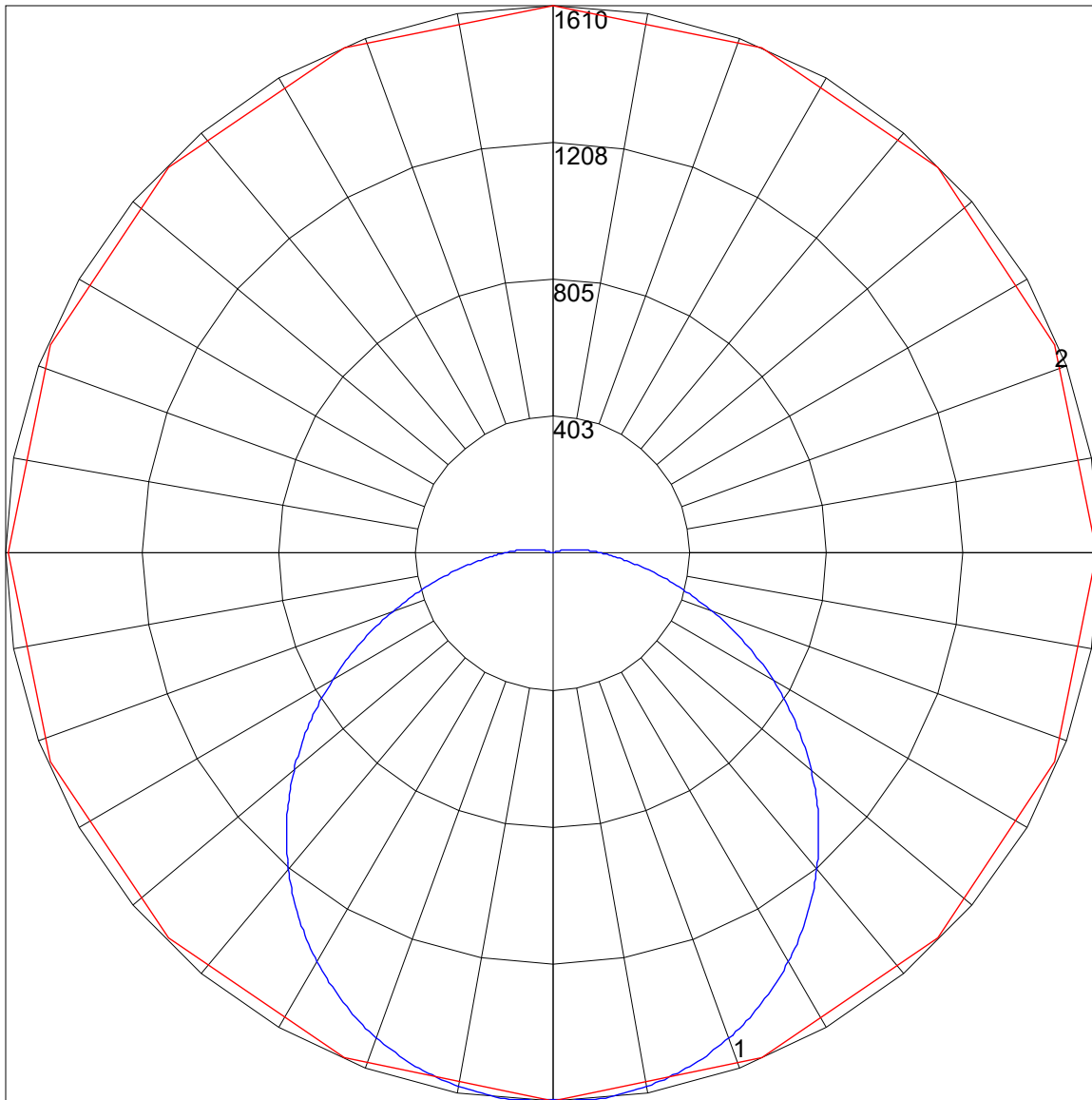
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**UGR TABLE - CORRECTED**

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	17.0	18.6	17.4	19.0	19.3	18.7	20.3	19.1	20.7	21.0
	3H	18.3	19.8	18.7	20.1	20.5	20.7	22.1	21.1	22.5	22.9
	4H	18.7	20.1	19.1	20.5	20.9	21.5	22.9	22.0	23.3	23.7
	6H	18.9	20.2	19.4	20.6	21.0	22.3	23.6	22.8	24.0	24.5
	8H	19.0	20.2	19.4	20.6	21.1	22.7	23.9	23.2	24.4	24.8
	12H	19.0	20.2	19.5	20.6	21.1	23.1	24.3	23.6	24.7	25.2
4H	2H	17.8	19.2	18.3	19.6	20.0	19.2	20.5	19.6	20.9	21.4
	3H	19.4	20.5	19.8	21.0	21.4	21.4	22.5	21.8	23.0	23.4
	4H	19.9	21.0	20.4	21.4	21.9	22.4	23.4	22.9	23.9	24.4
	6H	20.3	21.2	20.7	21.7	22.2	23.4	24.3	23.8	24.8	25.3
	8H	20.3	21.2	20.8	21.7	22.2	23.8	24.7	24.3	25.2	25.7
	12H	20.4	21.2	20.9	21.7	22.2	24.3	25.1	24.8	25.6	26.1
8H	4H	20.5	21.3	21.0	21.8	22.3	22.6	23.5	23.1	24.0	24.5
	6H	21.0	21.7	21.5	22.2	22.8	23.8	24.5	24.3	25.0	25.5
	8H	21.2	21.8	21.7	22.4	22.9	24.4	25.0	24.9	25.5	26.1
	12H	21.3	21.9	21.8	22.4	23.0	25.0	25.6	25.5	26.1	26.7
12H	4H	20.6	21.4	21.1	21.9	22.4	22.6	23.4	23.1	23.9	24.4
	6H	21.2	21.9	21.8	22.4	22.9	23.8	24.5	24.4	25.0	25.6
	8H	21.4	22.0	22.0	22.6	23.2	24.5	25.0	25.0	25.6	26.2

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 1610.003 Located At Horizontal Angle = 90, Vertical Angle = 3.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)