



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 ML UV FR 930.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-013(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/2/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 2 ML UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 28 white LEDs on one LS3872A LED board

[BALLAST] One ULT D700C20UNVPW-C LED driver labeled as 240mA

[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	1562
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	12.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 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	6480	6312	6371
55	5561	5694	5852
65	4386	4943	5176
75	3115	4180	4404
85	1635	3805	3897

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	194.69	N.A.	12.50
0-30	413.91	N.A.	26.50
0-40	677.41	N.A.	43.40
0-60	1185.73	N.A.	75.90
0-80	1476.65	N.A.	94.50
0-90	1533.25	N.A.	98.20
10-90	1482.95	N.A.	94.90
20-40	482.71	N.A.	30.90
20-50	752.69	N.A.	48.20
40-70	687.35	N.A.	44.00
60-80	290.92	N.A.	18.60
70-80	111.89	N.A.	7.20
80-90	56.60	N.A.	3.60
90-110	28.58	N.A.	1.80
90-120	28.67	N.A.	1.80
90-130	28.67	N.A.	1.80
90-150	28.67	N.A.	1.80
90-180	28.67	N.A.	1.80
110-180	0.08	N.A.	0.00
0-180	1561.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	50.30
10-20	144.40
20-30	219.22
30-40	263.50
40-50	269.98
50-60	238.34
60-70	179.03
70-80	111.89
80-90	56.60
90-100	23.05
100-110	5.53
110-120	0.08
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	40	51	44	39	49	43	39	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	37	31	42	36	31	41	35	31	29
9	56	42	34	29	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	26	36	30	25	35	29	25	23

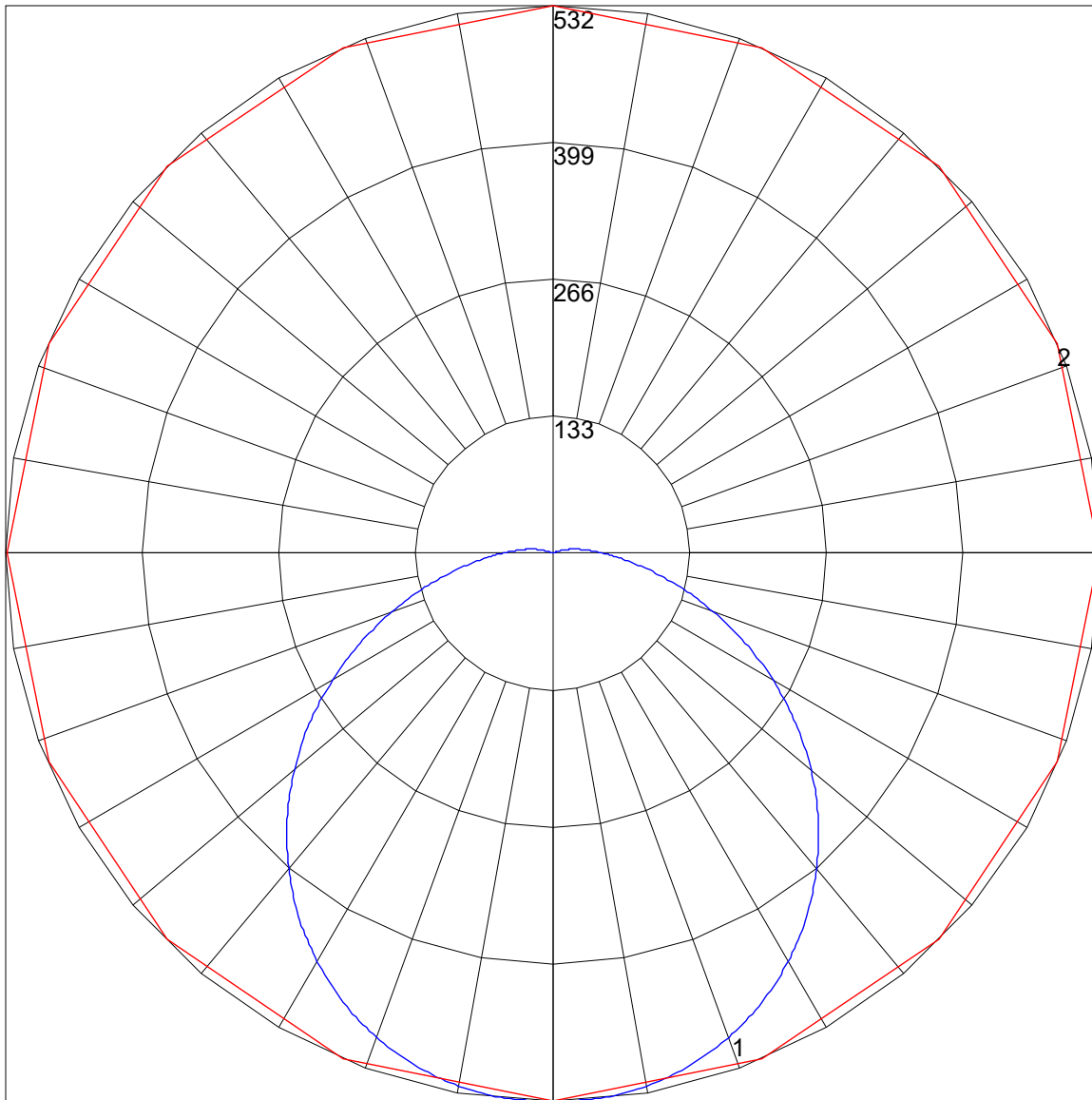
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**UGR TABLE - CORRECTED**

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	16.9	18.5	17.3	18.9	19.3	18.6	20.2	19.0	20.6	21.0
	3H	18.2	19.7	18.6	20.0	20.4	20.6	22.1	21.0	22.4	22.8
	4H	18.6	20.0	19.0	20.4	20.8	21.4	22.8	21.9	23.2	23.6
	6H	18.8	20.1	19.3	20.5	20.9	22.2	23.5	22.7	23.9	24.3
	8H	18.9	20.1	19.3	20.5	21.0	22.6	23.8	23.0	24.2	24.7
	12H	18.9	20.1	19.4	20.5	21.0	22.9	24.1	23.4	24.5	25.0
4H	2H	17.8	19.1	18.2	19.5	20.0	19.1	20.5	19.5	20.9	21.3
	3H	19.3	20.5	19.7	20.9	21.3	21.3	22.5	21.7	22.9	23.4
	4H	19.8	20.9	20.3	21.3	21.8	22.3	23.4	22.8	23.8	24.3
	6H	20.1	21.1	20.6	21.6	22.1	23.2	24.2	23.7	24.7	25.2
	8H	20.2	21.1	20.7	21.6	22.1	23.7	24.6	24.2	25.0	25.5
	12H	20.3	21.1	20.8	21.6	22.1	24.1	24.9	24.7	25.5	26.0
8H	4H	20.4	21.2	20.8	21.7	22.2	22.5	23.4	23.0	23.9	24.4
	6H	20.9	21.6	21.4	22.1	22.6	23.6	24.4	24.2	24.9	25.4
	8H	21.0	21.7	21.6	22.2	22.8	24.2	24.9	24.8	25.4	25.9
	12H	21.1	21.7	21.7	22.3	22.9	24.8	25.4	25.4	25.9	26.5
12H	4H	20.5	21.3	21.0	21.8	22.3	22.5	23.3	23.0	23.8	24.3
	6H	21.1	21.8	21.6	22.2	22.8	23.7	24.4	24.3	24.9	25.4
	8H	21.3	21.9	21.9	22.4	23.0	24.3	24.9	24.9	25.4	26.0

Maximum UGR = 26.5

POLAR GRAPH



Maximum Candela = 531.827 Located At Horizontal Angle = 90, Vertical Angle = 1.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)