



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 MH 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 8 MH UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 192 white LEDs on four LS3872A LED boards

[BALLAST] One ULT D21CC80UNVPW-D LED driver labeled as 1360mA

[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	10254
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	68.1
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)	8.00 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	10884	10448	10387
55	9518	9498	9540
65	7691	8328	8422
75	5648	7151	7130
85	3410	6733	6254

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1274.79	N.A.	12.40
0-30	2710.97	N.A.	26.40
0-40	4438.94	N.A.	43.30
0-60	7781.16	N.A.	75.90
0-80	9699.67	N.A.	94.60
0-90	10070.44	N.A.	98.20
10-90	9741.26	N.A.	95.00
20-40	3164.15	N.A.	30.90
20-50	4937.17	N.A.	48.20
40-70	4523.6	N.A.	44.10
60-80	1918.51	N.A.	18.70
70-80	737.13	N.A.	7.20
80-90	370.77	N.A.	3.60
90-110	182.77	N.A.	1.80
90-120	183.14	N.A.	1.80
90-130	183.14	N.A.	1.80
90-150	183.14	N.A.	1.80
90-180	183.14	N.A.	1.80
110-180	0.37	N.A.	0.00
0-180	10253.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	329.18
10-20	945.61
20-30	1436.18
30-40	1727.96
40-50	1773.02
50-60	1569.2
60-70	1181.38
70-80	737.13
80-90	370.77
90-100	148.62
100-110	34.14
110-120	0.37
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

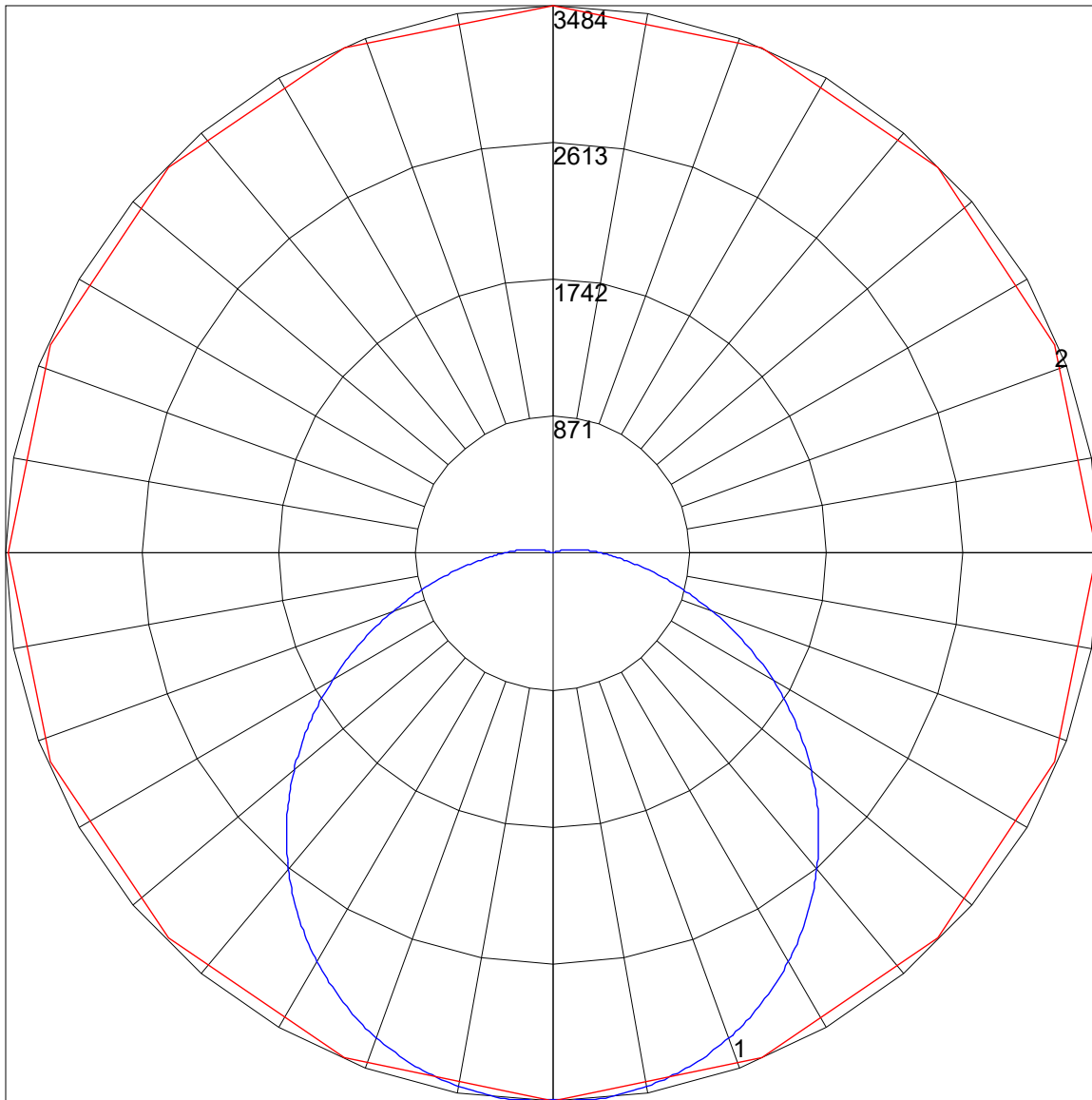
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**UGR TABLE - CORRECTED**

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	18.7	20.3	19.1	20.7	21.0	20.4	22.0	20.8	22.4	22.7
	3H	20.0	21.5	20.4	21.8	22.2	22.4	23.9	22.8	24.2	24.6
	4H	20.4	21.8	20.8	22.2	22.6	23.2	24.6	23.7	25.0	25.4
	6H	20.6	21.9	21.1	22.3	22.8	24.0	25.3	24.5	25.7	26.2
	8H	20.7	21.9	21.1	22.3	22.8	24.4	25.7	24.9	26.1	26.5
	12H	20.7	21.9	21.2	22.3	22.8	24.8	26.0	25.3	26.4	26.9
4H	2H	19.5	20.9	20.0	21.3	21.7	20.9	22.3	21.3	22.6	23.1
	3H	21.1	22.3	21.5	22.7	23.1	23.1	24.3	23.5	24.7	25.1
	4H	21.6	22.7	22.1	23.1	23.6	24.1	25.2	24.6	25.6	26.1
	6H	22.0	22.9	22.4	23.4	23.9	25.1	26.0	25.6	26.5	27.0
	8H	22.0	22.9	22.5	23.4	23.9	25.5	26.4	26.0	26.9	27.4
	12H	22.1	22.9	22.6	23.4	23.9	26.1	26.8	26.6	27.4	27.9
8H	4H	22.2	23.0	22.7	23.5	24.0	24.3	25.2	24.8	25.7	26.2
	6H	22.7	23.4	23.2	23.9	24.5	25.5	26.2	26.0	26.7	27.3
	8H	22.9	23.5	23.4	24.1	24.6	26.1	26.7	26.6	27.3	27.8
	12H	23.0	23.6	23.5	24.1	24.7	26.7	27.3	27.3	27.8	28.4
12H	4H	22.3	23.1	22.8	23.6	24.1	24.3	25.1	24.9	25.7	26.2
	6H	22.9	23.6	23.5	24.1	24.7	25.6	26.2	26.1	26.7	27.3
	8H	23.2	23.7	23.7	24.3	24.9	26.2	26.8	26.7	27.3	27.9

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 3484.357 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.)