



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 MD UV FR 950.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 MD UV FR 950

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,  
[MORE] translucent curved plastic enclosure.

[LAMP] 112 white LEDs on four LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 1280mA

[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	8452
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	58.2
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	8971	8612	8562
55	7845	7829	7864
65	6340	6865	6942
75	4655	5894	5877
85	2811	5550	5155

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1050.78	N.A.	12.40
0-30	2234.6	N.A.	26.40
0-40	3658.92	N.A.	43.30
0-60	6413.84	N.A.	75.90
0-80	7995.23	N.A.	94.60
0-90	8300.84	N.A.	98.20
10-90	8029.51	N.A.	95.00
20-40	2608.14	N.A.	30.90
20-50	4069.6	N.A.	48.20
40-70	3728.71	N.A.	44.10
60-80	1581.38	N.A.	18.70
70-80	607.60	N.A.	7.20
80-90	305.61	N.A.	3.60
90-110	150.65	N.A.	1.80
90-120	150.96	N.A.	1.80
90-130	150.96	N.A.	1.80
90-150	150.96	N.A.	1.80
90-180	150.96	N.A.	1.80
110-180	0.31	N.A.	0.00
0-180	8451.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	271.34
10-20	779.45
20-30	1183.81
30-40	1424.32
40-50	1461.46
50-60	1293.46
60-70	973.78
70-80	607.60
80-90	305.61
90-100	122.51
100-110	28.14
110-120	0.31
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**

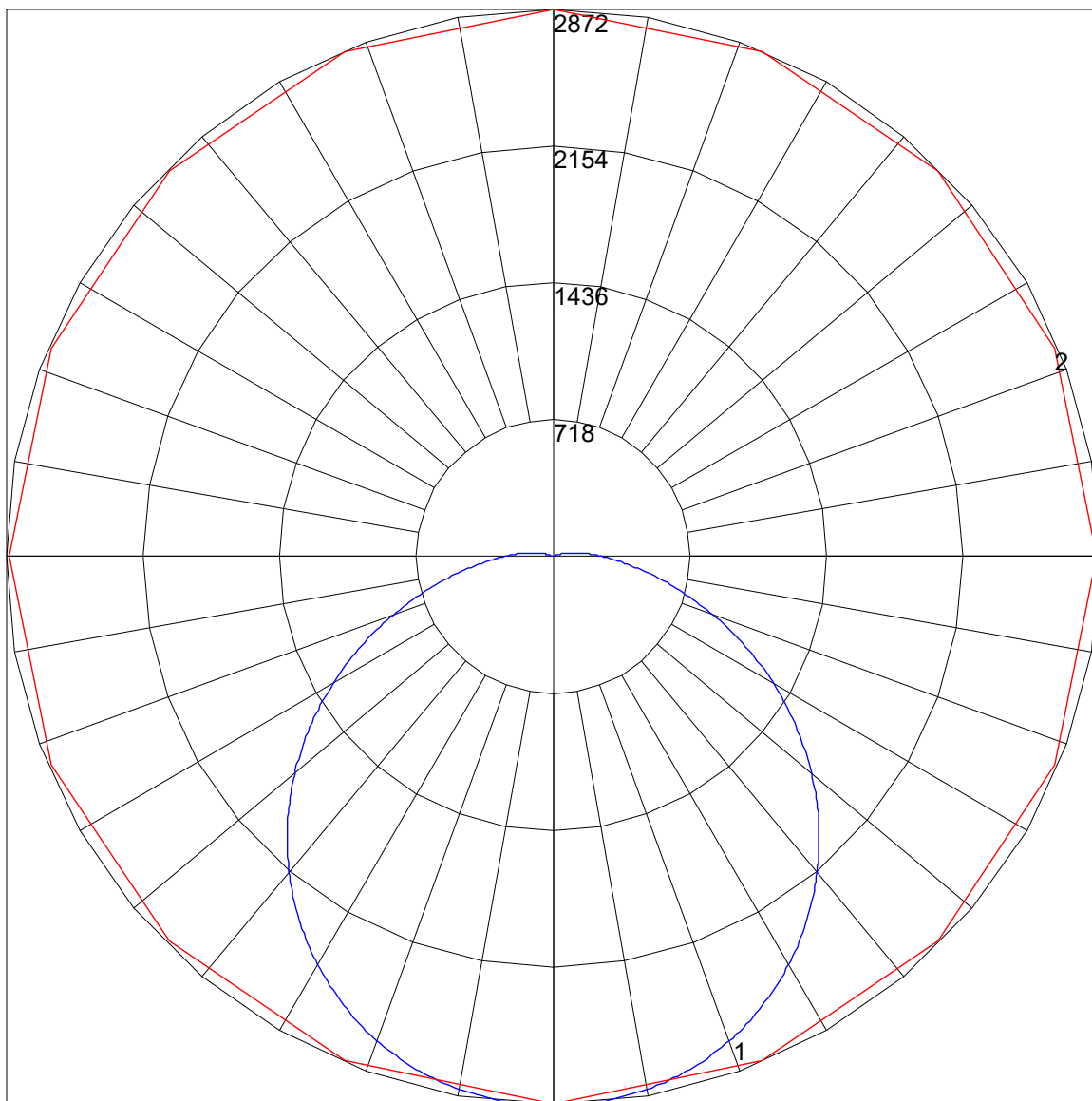
Reflectances

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	18.0	19.6	18.4	20.0	20.3	19.7	21.3	20.1	21.7	22.0
	3H	19.3	20.8	19.7	21.1	21.5	21.7	23.2	22.1	23.5	23.9
	4H	19.7	21.1	20.1	21.5	21.9	22.5	23.9	23.0	24.3	24.7
	6H	19.9	21.2	20.4	21.6	22.1	23.3	24.6	23.8	25.0	25.5
	8H	20.0	21.2	20.4	21.6	22.1	23.7	25.0	24.2	25.4	25.8
	12H	20.0	21.2	20.5	21.6	22.1	24.1	25.3	24.6	25.7	26.2
4H	2H	18.8	20.2	19.3	20.6	21.0	20.2	21.6	20.6	21.9	22.4
	3H	20.4	21.6	20.8	22.0	22.4	22.4	23.6	22.8	24.0	24.4
	4H	20.9	22.0	21.4	22.4	22.9	23.4	24.5	23.9	24.9	25.4
	6H	21.3	22.2	21.7	22.7	23.2	24.4	25.3	24.9	25.8	26.3
	8H	21.3	22.2	21.8	22.7	23.2	24.8	25.7	25.3	26.2	26.7
	12H	21.4	22.2	21.9	22.7	23.2	25.4	26.1	25.9	26.7	27.2
8H	4H	21.5	22.3	22.0	22.8	23.3	23.6	24.5	24.1	25.0	25.5
	6H	22.0	22.7	22.5	23.2	23.8	24.8	25.5	25.3	26.0	26.6
	8H	22.2	22.8	22.7	23.4	23.9	25.4	26.0	25.9	26.6	27.1
	12H	22.3	22.9	22.8	23.4	24.0	26.0	26.6	26.6	27.1	27.7
12H	4H	21.6	22.4	22.1	22.9	23.4	23.6	24.4	24.2	25.0	25.5
	6H	22.2	22.9	22.8	23.4	24.0	24.9	25.5	25.4	26.0	26.6
	8H	22.5	23.0	23.0	23.6	24.2	25.5	26.1	26.0	26.6	27.2

Maximum UGR = 27.7

POLAR GRAPH



Maximum Candela = 2872.08 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.)