



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 VH 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 4 VH UV FR 950

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

[MORE] translucent curved plastic enclosure.

[LAMP] 128 white LEDs on two LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 1100mA

[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	8432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	56.3
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)	4.00 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	17762	17100	17083
55	15482	15517	15691
65	12443	13569	13851
75	9031	11596	11726
85	5180	10791	10286

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1048.31	N.A.	12.40
0-30	2229.35	N.A.	26.40
0-40	3650.33	N.A.	43.30
0-60	6398.78	N.A.	75.90
0-80	7976.45	N.A.	94.60
0-90	8281.35	N.A.	98.20
10-90	8010.65	N.A.	95.00
20-40	2602.01	N.A.	30.90
20-50	4060.04	N.A.	48.20
40-70	3719.95	N.A.	44.10
60-80	1577.67	N.A.	18.70
70-80	606.18	N.A.	7.20
80-90	304.90	N.A.	3.60
90-110	150.30	N.A.	1.80
90-120	150.60	N.A.	1.80
90-130	150.60	N.A.	1.80
90-150	150.60	N.A.	1.80
90-180	150.60	N.A.	1.80
110-180	0.30	N.A.	0.00
0-180	8431.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	270.70
10-20	777.62
20-30	1181.03
30-40	1420.98
40-50	1458.03
50-60	1290.42
60-70	971.50
70-80	606.18
80-90	304.90
90-100	122.22
100-110	28.08
110-120	0.30
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

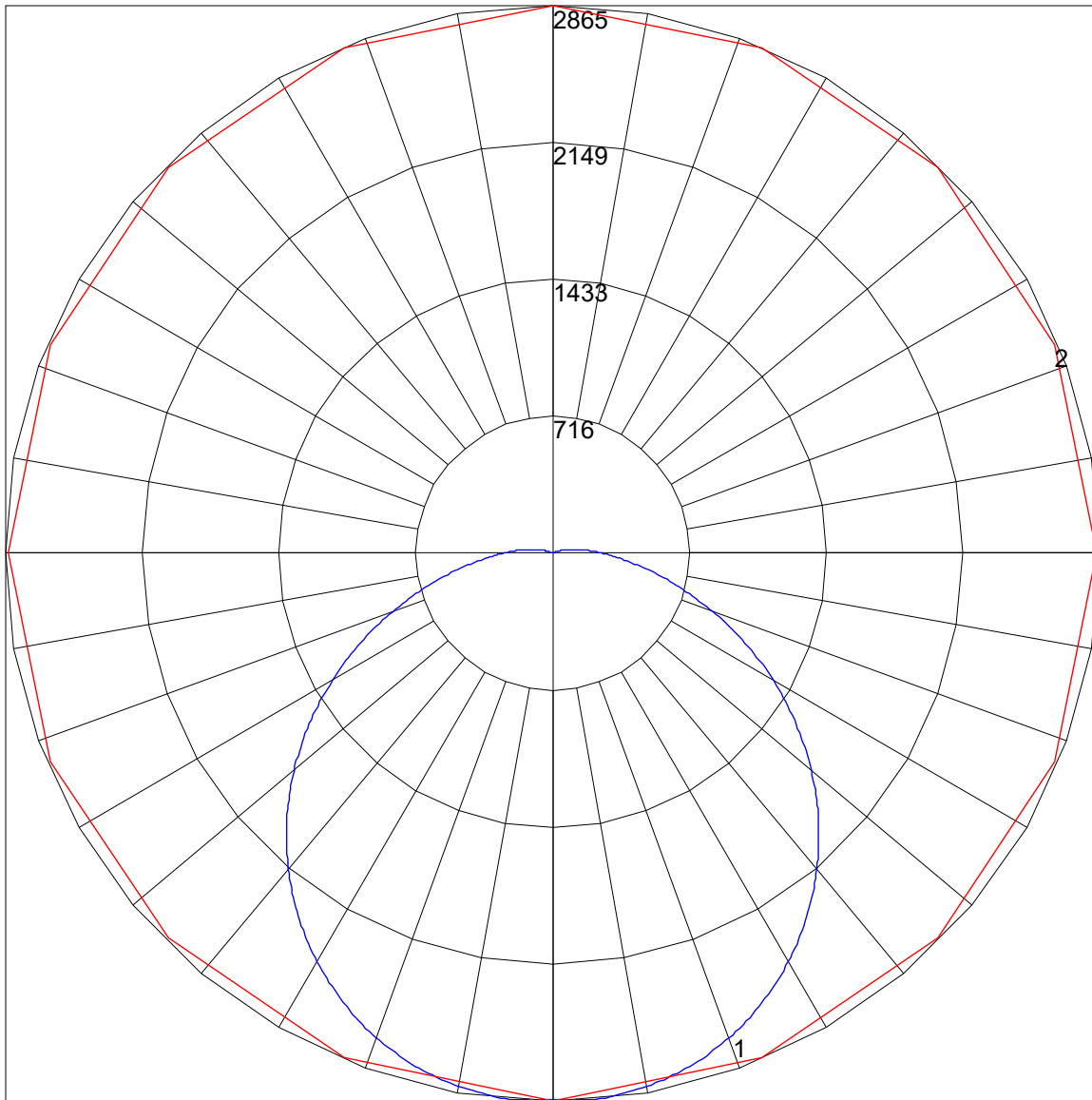
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**UGR TABLE - CORRECTED**

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	20.4	22.0	20.8	22.4	22.7	22.1	23.7	22.5	24.0	24.4
	3H	21.7	23.2	22.1	23.5	23.9	24.1	25.5	24.5	25.9	26.3
	4H	22.1	23.5	22.5	23.9	24.3	24.9	26.3	25.3	26.7	27.1
	6H	22.3	23.6	22.8	24.0	24.4	25.7	27.0	26.1	27.4	27.8
	8H	22.4	23.6	22.8	24.0	24.5	26.1	27.3	26.5	27.7	28.2
	12H	22.4	23.6	22.9	24.0	24.5	26.5	27.6	26.9	28.0	28.5
4H	2H	21.2	22.6	21.7	23.0	23.4	22.5	23.9	23.0	24.3	24.7
	3H	22.8	23.9	23.2	24.4	24.8	24.8	25.9	25.2	26.4	26.8
	4H	23.3	24.4	23.8	24.8	25.3	25.8	26.8	26.2	27.3	27.8
	6H	23.6	24.6	24.1	25.1	25.6	26.7	27.7	27.2	28.1	28.6
	8H	23.7	24.6	24.2	25.1	25.6	27.2	28.1	27.7	28.5	29.0
	12H	23.8	24.6	24.3	25.1	25.6	27.7	28.5	28.2	29.0	29.5
8H	4H	23.9	24.7	24.3	25.2	25.7	26.0	26.9	26.5	27.3	27.9
	6H	24.4	25.1	24.9	25.6	26.2	27.1	27.9	27.6	28.4	28.9
	8H	24.6	25.2	25.1	25.7	26.3	27.7	28.4	28.2	28.9	29.4
	12H	24.7	25.2	25.2	25.8	26.4	28.3	28.9	28.9	29.5	30.1
12H	4H	24.0	24.8	24.5	25.3	25.8	26.0	26.8	26.5	27.3	27.8
	6H	24.6	25.3	25.2	25.8	26.3	27.2	27.8	27.7	28.3	28.9
	8H	24.8	25.4	25.4	26.0	26.6	27.8	28.4	28.3	28.9	29.5

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 2865.334 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.)