



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 HI UV FR 940.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 HI UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMP] 96 white LEDs on two LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 840mA

[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	6429
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	43.5
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	13543	13038	13026
55	11804	11832	11964
65	9488	10346	10561
75	6886	8842	8941
85	3950	8228	7843

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	799.32	N.A.	12.40
0-30	1699.84	N.A.	26.40
0-40	2783.31	N.A.	43.30
0-60	4878.95	N.A.	75.90
0-80	6081.9	N.A.	94.60
0-90	6314.38	N.A.	98.20
10-90	6107.97	N.A.	95.00
20-40	1983.99	N.A.	30.90
20-50	3095.71	N.A.	48.20
40-70	2836.39	N.A.	44.10
60-80	1202.95	N.A.	18.70
70-80	462.20	N.A.	7.20
80-90	232.48	N.A.	3.60
90-110	114.60	N.A.	1.80
90-120	114.83	N.A.	1.80
90-130	114.83	N.A.	1.80
90-150	114.83	N.A.	1.80
90-180	114.83	N.A.	1.80
110-180	0.23	N.A.	0.00
0-180	6429.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	206.40
10-20	592.92
20-30	900.52
30-40	1083.47
40-50	1111.72
50-60	983.92
60-70	740.75
70-80	462.20
80-90	232.48
90-100	93.19
100-110	21.41
110-120	0.23
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

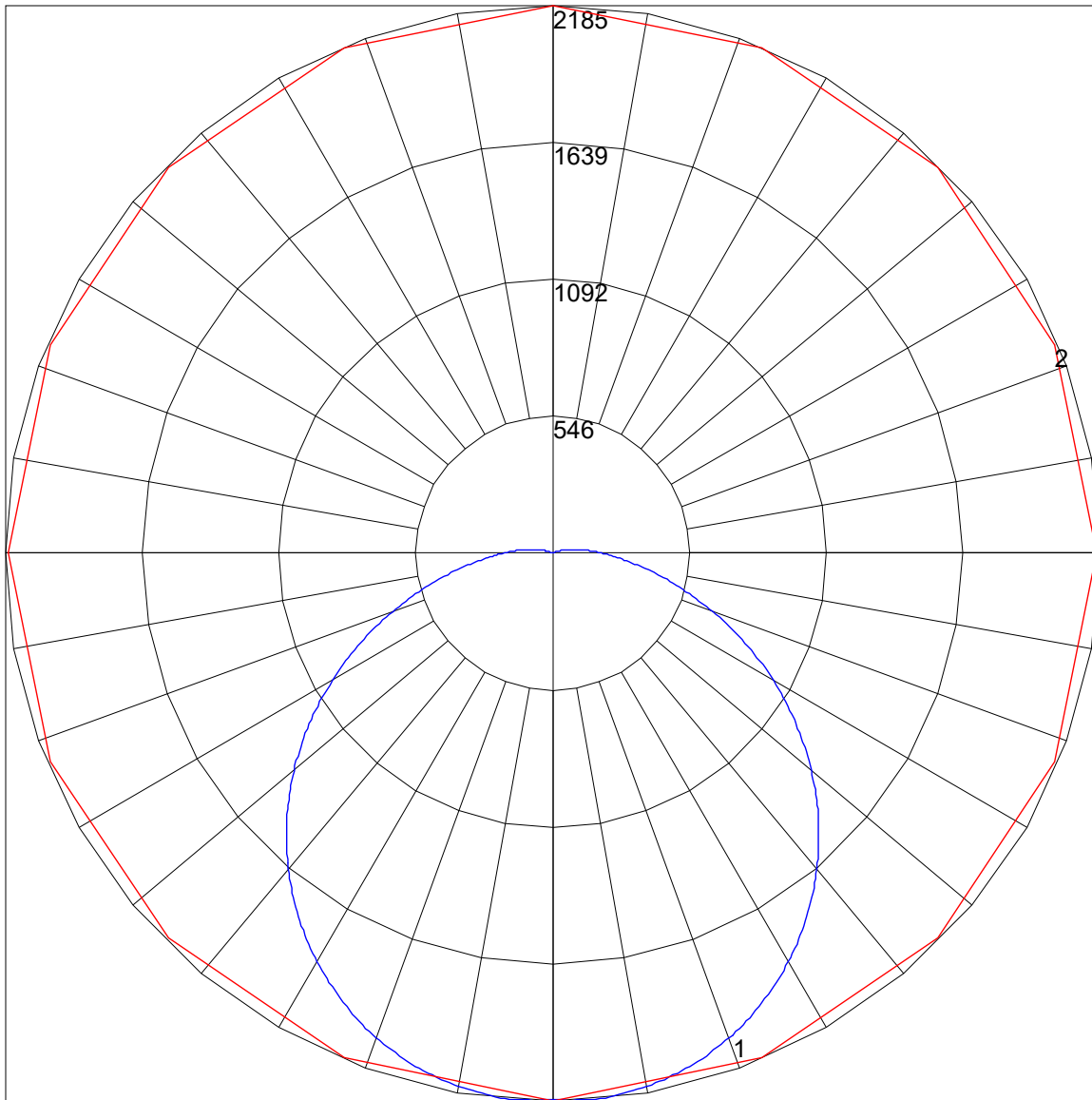
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**UGR TABLE - CORRECTED**

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	19.5	21.1	19.9	21.5	21.8	21.2	22.8	21.6	23.1	23.5
	3H	20.8	22.3	21.2	22.6	23.0	23.2	24.6	23.6	25.0	25.4
	4H	21.2	22.6	21.6	23.0	23.4	24.0	25.4	24.4	25.8	26.2
	6H	21.4	22.7	21.9	23.1	23.5	24.8	26.1	25.2	26.5	26.9
	8H	21.5	22.7	21.9	23.1	23.6	25.2	26.4	25.6	26.8	27.3
	12H	21.5	22.7	22.0	23.1	23.6	25.6	26.7	26.0	27.1	27.6
4H	2H	20.3	21.7	20.8	22.1	22.5	21.6	23.0	22.1	23.4	23.8
	3H	21.9	23.0	22.3	23.5	23.9	23.9	25.0	24.3	25.5	25.9
	4H	22.4	23.5	22.9	23.9	24.4	24.9	25.9	25.3	26.4	26.9
	6H	22.7	23.7	23.2	24.2	24.7	25.8	26.8	26.3	27.2	27.7
	8H	22.8	23.7	23.3	24.2	24.7	26.3	27.2	26.8	27.6	28.1
	12H	22.9	23.7	23.4	24.2	24.7	26.8	27.6	27.3	28.1	28.6
8H	4H	23.0	23.8	23.4	24.3	24.8	25.1	26.0	25.6	26.4	27.0
	6H	23.5	24.2	24.0	24.7	25.3	26.2	27.0	26.7	27.5	28.0
	8H	23.7	24.3	24.2	24.8	25.4	26.8	27.5	27.3	28.0	28.5
	12H	23.8	24.3	24.3	24.9	25.5	27.4	28.0	28.0	28.6	29.2
12H	4H	23.1	23.9	23.6	24.4	24.9	25.1	25.9	25.6	26.4	26.9
	6H	23.7	24.4	24.3	24.9	25.4	26.3	26.9	26.8	27.4	28.0
	8H	23.9	24.5	24.5	25.1	25.7	26.9	27.5	27.4	28.0	28.6

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 2184.765 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.)