



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL15 UV 940 @270MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-016(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 4 SEL15 UV 940

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

[MORE] no enclosure.

[LAMPCAT] Two LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 270mA

[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	1938
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	12.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.02 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4606	4451	4423
55	4527	4318	4199
65	4278	3929	3786
75	3645	3083	2886
85	2047	1384	1244

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	236.98	N.A.	12.20
0-30	507.49	N.A.	26.20
0-40	840.20	N.A.	43.40
0-60	1520.16	N.A.	78.50
0-80	1906.35	N.A.	98.40
0-90	1937.48	N.A.	100.00
10-90	1876.47	N.A.	96.80
20-40	603.22	N.A.	31.10
20-50	956.86	N.A.	49.40
40-70	929.64	N.A.	48.00
60-80	386.19	N.A.	19.90
70-80	136.51	N.A.	7.00
80-90	31.13	N.A.	1.60
90-110	0.17	N.A.	0.00
90-120	0.17	N.A.	0.00
90-130	0.17	N.A.	0.00
90-150	0.17	N.A.	0.00
90-180	0.17	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1937.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	61.01
10-20	175.97
20-30	270.51
30-40	332.71
40-50	353.63
50-60	326.32
60-70	249.68
70-80	136.51
80-90	31.13
90-100	0.17
100-110	0.00
110-120	0.00
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	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	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	36	30	25	23

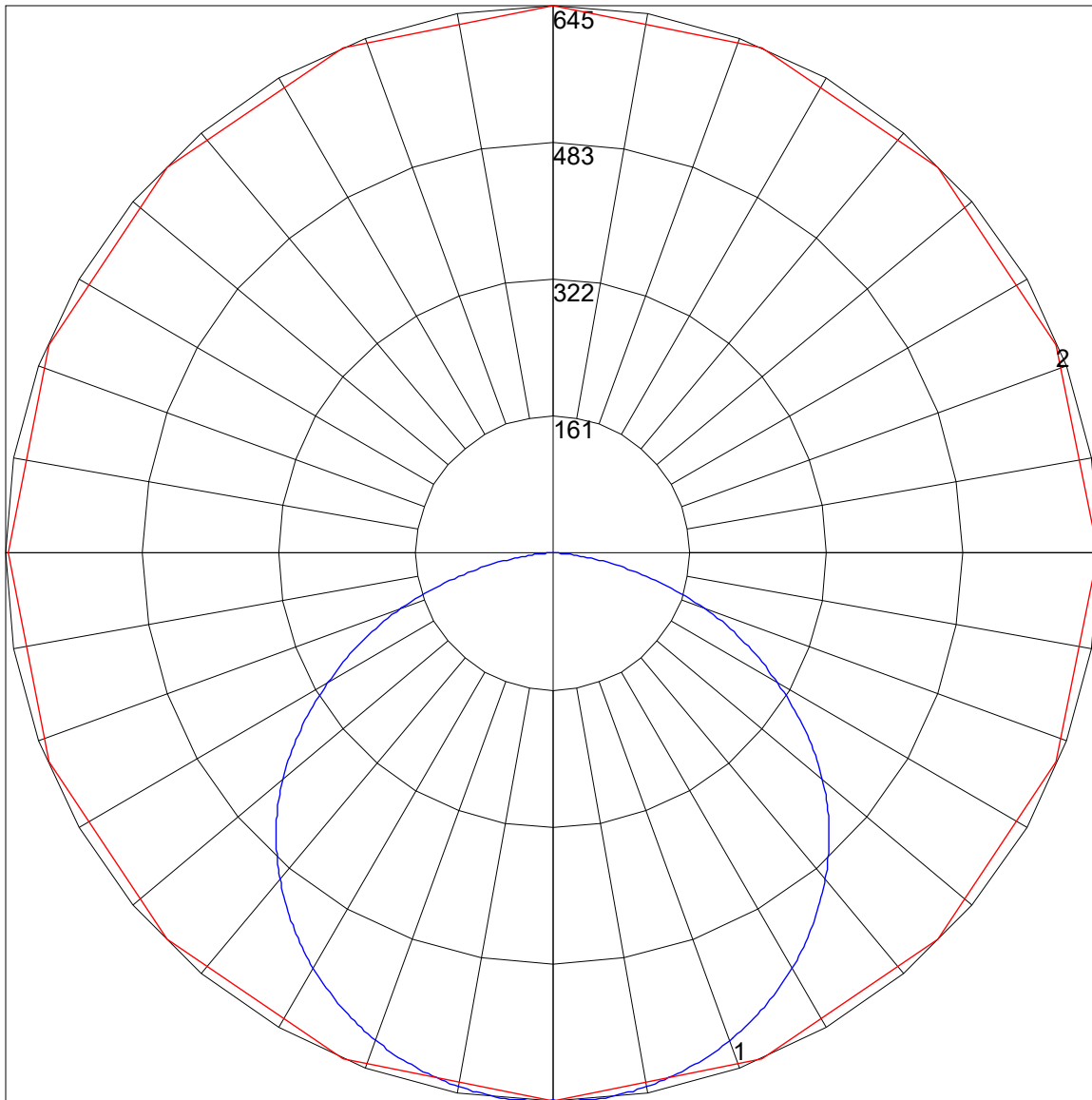
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**UGR TABLE - CORRECTED**

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	17.3	19.0	17.7	19.3	19.6	17.4	19.1	17.8	19.4	19.7
	3H	19.1	20.6	19.5	20.9	21.3	19.2	20.7	19.6	21.1	21.4
	4H	19.7	21.1	20.1	21.5	21.8	19.8	21.2	20.2	21.6	22.0
	6H	20.1	21.4	20.5	21.8	22.2	20.2	21.5	20.6	21.9	22.3
	8H	20.2	21.4	20.6	21.8	22.2	20.3	21.6	20.7	21.9	22.3
	12H	20.2	21.4	20.6	21.8	22.2	20.3	21.6	20.8	21.9	22.4
4H	2H	18.0	19.4	18.4	19.7	20.1	18.1	19.5	18.5	19.8	20.2
	3H	19.9	21.1	20.3	21.5	21.9	20.0	21.2	20.4	21.6	22.0
	4H	20.7	21.7	21.1	22.1	22.6	20.7	21.8	21.1	22.2	22.6
	6H	21.2	22.1	21.6	22.5	23.0	21.2	22.1	21.7	22.6	23.0
	8H	21.3	22.2	21.7	22.6	23.1	21.3	22.2	21.8	22.7	23.1
	12H	21.3	22.1	21.8	22.6	23.1	21.4	22.2	21.9	22.7	23.2
8H	4H	20.9	21.8	21.4	22.2	22.7	21.0	21.9	21.4	22.3	22.8
	6H	21.5	22.2	22.0	22.7	23.2	21.5	22.3	22.0	22.8	23.2
	8H	21.6	22.3	22.2	22.8	23.3	21.7	22.4	22.2	22.9	23.4
	12H	21.8	22.3	22.3	22.8	23.4	21.8	22.4	22.3	22.9	23.5
12H	4H	20.9	21.7	21.4	22.2	22.7	21.0	21.8	21.5	22.3	22.7
	6H	21.5	22.2	22.0	22.6	23.2	21.6	22.2	22.1	22.7	23.2
	8H	21.7	22.3	22.2	22.8	23.4	21.8	22.4	22.3	22.9	23.4

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 644.618 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)