



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL75 UV FR 940 @1300MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 6 SEL75 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set to 1300mA

[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	9923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	64.9
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)	6.00 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	14008	13460	13403
55	12236	12229	12310
65	9870	10713	10867
75	7219	9184	9200
85	4282	8613	8070

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1233.73	N.A.	12.40
0-30	2623.64	N.A.	26.40
0-40	4295.94	N.A.	43.30
0-60	7530.5	N.A.	75.90
0-80	9387.21	N.A.	94.60
0-90	9746.03	N.A.	98.20
10-90	9427.46	N.A.	95.00
20-40	3062.22	N.A.	30.90
20-50	4778.12	N.A.	48.20
40-70	4377.88	N.A.	44.10
60-80	1856.71	N.A.	18.70
70-80	713.39	N.A.	7.20
80-90	358.82	N.A.	3.60
90-110	176.88	N.A.	1.80
90-120	177.24	N.A.	1.80
90-130	177.24	N.A.	1.80
90-150	177.24	N.A.	1.80
90-180	177.24	N.A.	1.80
110-180	0.36	N.A.	0.00
0-180	9923.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	318.58
10-20	915.15
20-30	1389.92
30-40	1672.3
40-50	1715.91
50-60	1518.65
60-70	1143.32
70-80	713.39
80-90	358.82
90-100	143.84
100-110	33.04
110-120	0.36
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

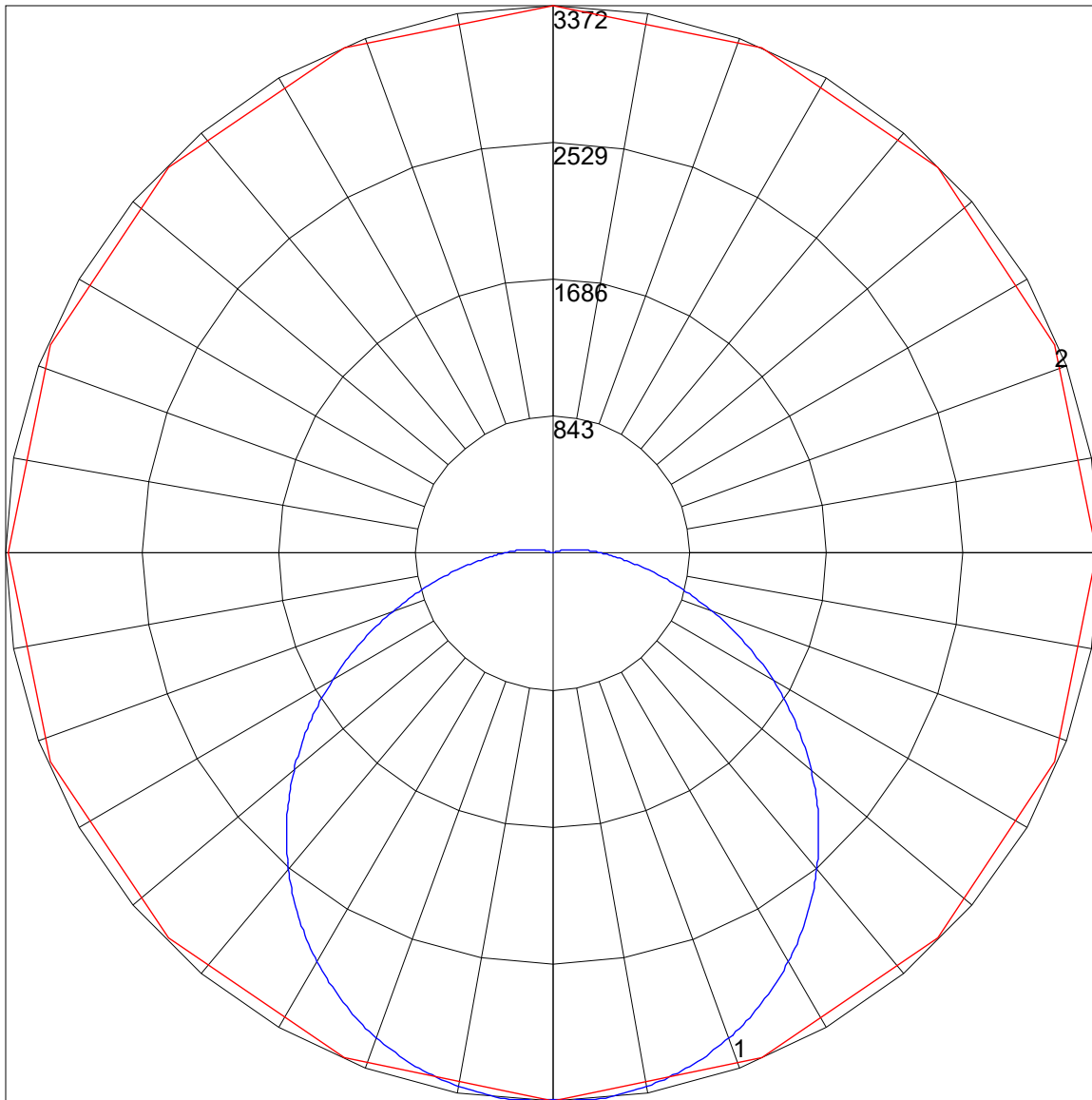
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**UGR TABLE - CORRECTED**

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	19.6	21.2	20.0	21.6	21.9	21.3	22.9	21.7	23.3	23.6
	3H	20.9	22.4	21.3	22.7	23.1	23.3	24.7	23.7	25.1	25.5
	4H	21.3	22.7	21.7	23.1	23.5	24.1	25.5	24.6	25.9	26.3
	6H	21.5	22.8	22.0	23.2	23.6	24.9	26.2	25.4	26.6	27.1
	8H	21.6	22.8	22.0	23.2	23.7	25.3	26.5	25.8	27.0	27.4
	12H	21.6	22.8	22.1	23.2	23.7	25.7	26.9	26.2	27.3	27.8
4H	2H	20.4	21.8	20.9	22.2	22.6	21.8	23.1	22.2	23.5	24.0
	3H	22.0	23.1	22.4	23.6	24.0	24.0	25.1	24.4	25.6	26.0
	4H	22.5	23.6	23.0	24.0	24.5	25.0	26.0	25.5	26.5	27.0
	6H	22.9	23.8	23.3	24.3	24.8	26.0	26.9	26.4	27.4	27.9
	8H	22.9	23.8	23.4	24.3	24.8	26.4	27.3	26.9	27.8	28.3
	12H	23.0	23.8	23.5	24.3	24.8	26.9	27.7	27.4	28.2	28.7
8H	4H	23.1	23.9	23.6	24.4	24.9	25.2	26.1	25.7	26.6	27.1
	6H	23.6	24.3	24.1	24.8	25.4	26.4	27.1	26.9	27.6	28.1
	8H	23.8	24.4	24.3	25.0	25.5	27.0	27.6	27.5	28.1	28.7
	12H	23.9	24.5	24.4	25.0	25.6	27.6	28.2	28.1	28.7	29.3
12H	4H	23.2	24.0	23.7	24.5	25.0	25.2	26.0	25.7	26.5	27.0
	6H	23.8	24.5	24.4	25.0	25.5	26.4	27.1	27.0	27.6	28.2
	8H	24.0	24.6	24.6	25.2	25.8	27.1	27.6	27.6	28.2	28.8

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 3372.113 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.)