



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL75 UV FR 940 @1400MA.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 4 SEL75 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 4000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set to 1400mA

[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	10429
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	71.1
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	21968	21149	21129
55	19148	19192	19406
65	15390	16782	17131
75	11169	14342	14503
85	6407	13346	12722

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1296.56	N.A.	12.40
0-30	2757.27	N.A.	26.40
0-40	4514.75	N.A.	43.30
0-60	7914.05	N.A.	75.90
0-80	9865.32	N.A.	94.60
0-90	10242.42	N.A.	98.20
10-90	9907.62	N.A.	95.00
20-40	3218.18	N.A.	30.90
20-50	5021.49	N.A.	48.20
40-70	4600.86	N.A.	44.10
60-80	1951.27	N.A.	18.70
70-80	749.72	N.A.	7.20
80-90	377.10	N.A.	3.60
90-110	185.89	N.A.	1.80
90-120	186.27	N.A.	1.80
90-130	186.27	N.A.	1.80
90-150	186.27	N.A.	1.80
90-180	186.27	N.A.	1.80
110-180	0.38	N.A.	0.00
0-180	10428.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	334.80
10-20	961.76
20-30	1460.71
30-40	1757.47
40-50	1803.3
50-60	1596.00
60-70	1201.55
70-80	749.72
80-90	377.10
90-100	151.16
100-110	34.73
110-120	0.38
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

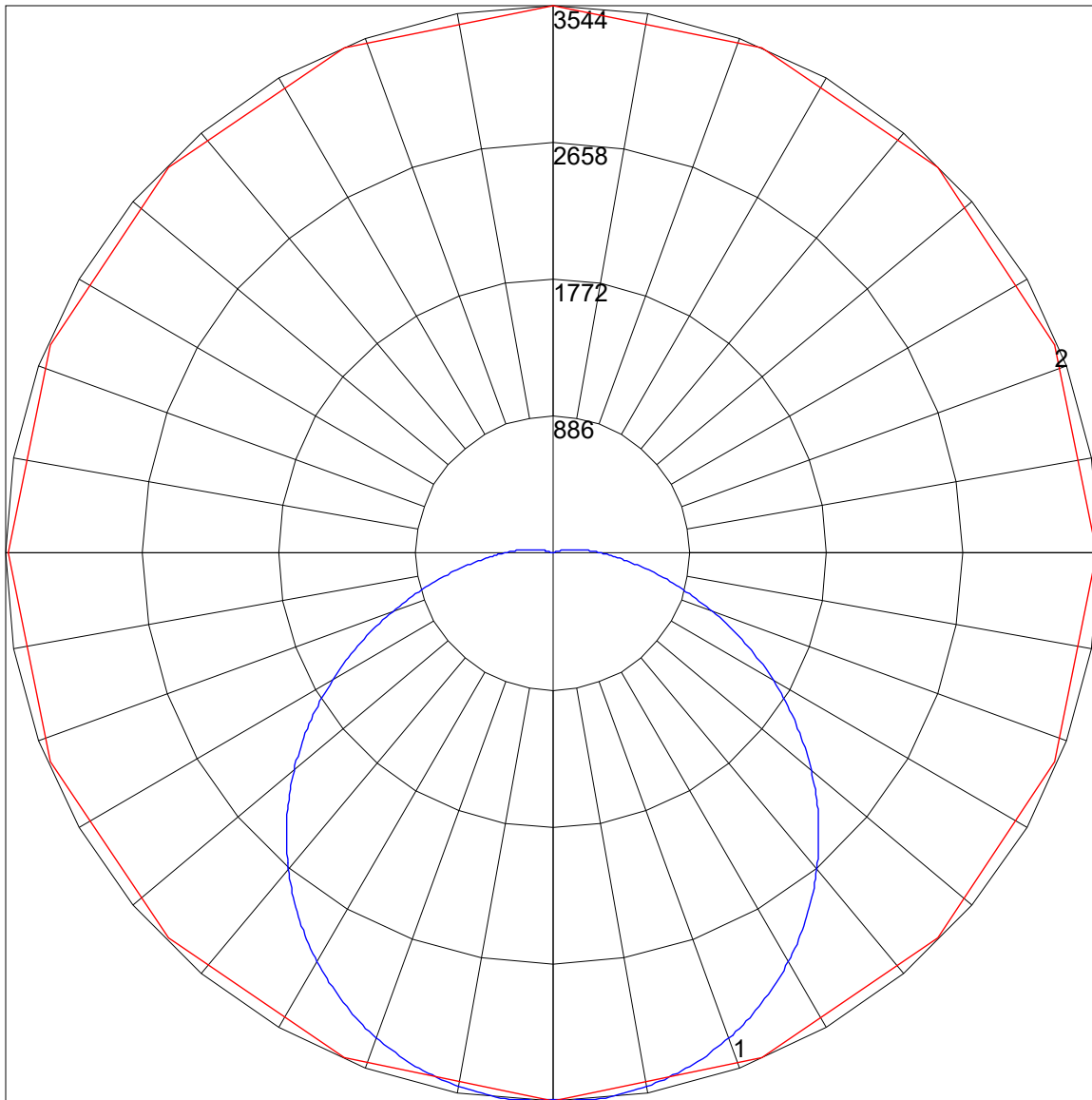
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**UGR TABLE - CORRECTED**

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	21.2	22.8	21.6	23.2	23.5	22.9	24.5	23.3	24.8	25.2
	3H	22.5	24.0	22.9	24.3	24.7	24.9	26.3	25.3	26.7	27.1
	4H	22.9	24.3	23.3	24.7	25.1	25.7	27.1	26.1	27.5	27.9
	6H	23.1	24.4	23.6	24.8	25.2	26.5	27.8	26.9	28.2	28.6
	8H	23.2	24.4	23.6	24.8	25.3	26.9	28.1	27.3	28.5	29.0
	12H	23.2	24.4	23.7	24.8	25.3	27.3	28.4	27.7	28.8	29.3
4H	2H	22.0	23.4	22.5	23.8	24.2	23.3	24.7	23.8	25.1	25.5
	3H	23.6	24.7	24.0	25.2	25.6	25.6	26.7	26.0	27.2	27.6
	4H	24.1	25.2	24.6	25.6	26.1	26.6	27.6	27.0	28.1	28.6
	6H	24.4	25.4	24.9	25.9	26.4	27.5	28.5	28.0	28.9	29.4
	8H	24.5	25.4	25.0	25.9	26.4	28.0	28.9	28.5	29.3	29.8
	12H	24.6	25.4	25.1	25.9	26.4	28.5	29.3	29.0	29.8	30.3
8H	4H	24.7	25.5	25.1	26.0	26.5	26.8	27.7	27.3	28.1	28.7
	6H	25.2	25.9	25.7	26.4	27.0	27.9	28.7	28.4	29.2	29.7
	8H	25.4	26.0	25.9	26.5	27.1	28.5	29.2	29.0	29.7	30.2
	12H	25.5	26.0	26.0	26.6	27.2	29.1	29.7	29.7	30.3	30.9
12H	4H	24.8	25.6	25.3	26.1	26.6	26.8	27.6	27.3	28.1	28.6
	6H	25.4	26.1	26.0	26.6	27.1	28.0	28.6	28.5	29.1	29.7
	8H	25.6	26.2	26.2	26.8	27.4	28.6	29.2	29.1	29.7	30.3

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 3543.864 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.)