



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL75 UV FR 940 @1100MA.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 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	8497
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	54.3
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)	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	11995	11526	11477
55	10478	10472	10542
65	8452	9173	9306
75	6182	7864	7878
85	3667	7376	6910

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1056.45	N.A.	12.40
0-30	2246.65	N.A.	26.40
0-40	3678.66	N.A.	43.30
0-60	6448.45	N.A.	75.90
0-80	8038.37	N.A.	94.60
0-90	8345.63	N.A.	98.20
10-90	8072.83	N.A.	95.00
20-40	2622.21	N.A.	30.90
20-50	4091.56	N.A.	48.20
40-70	3748.82	N.A.	44.10
60-80	1589.92	N.A.	18.70
70-80	610.88	N.A.	7.20
80-90	307.26	N.A.	3.60
90-110	151.46	N.A.	1.80
90-120	151.77	N.A.	1.80
90-130	151.77	N.A.	1.80
90-150	151.77	N.A.	1.80
90-180	151.77	N.A.	1.80
110-180	0.31	N.A.	0.00
0-180	8497.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	272.80
10-20	783.65
20-30	1190.2
30-40	1432.01
40-50	1469.35
50-60	1300.44
60-70	979.04
70-80	610.88
80-90	307.26
90-100	123.17
100-110	28.30
110-120	0.31
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

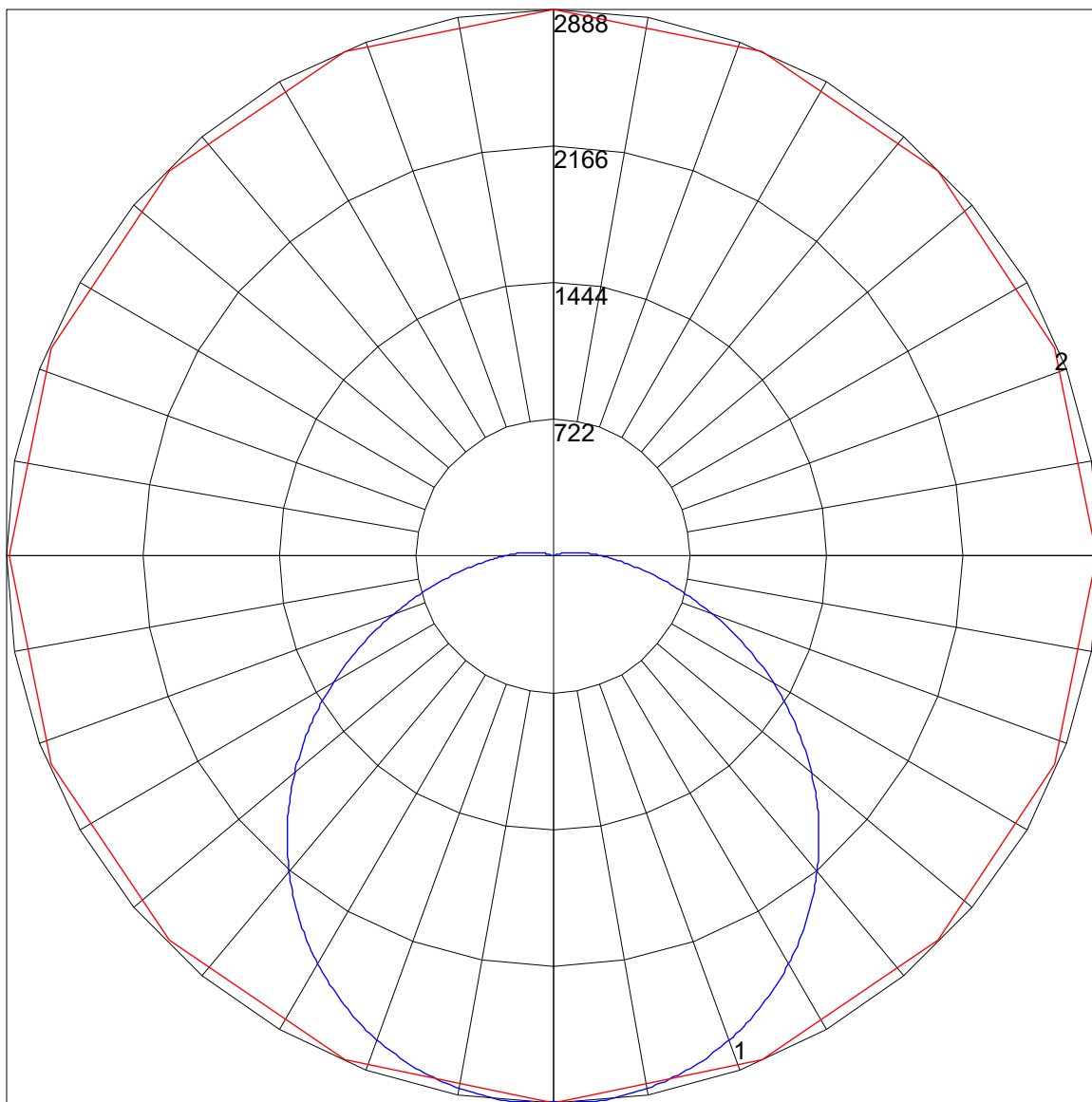
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	19.0	20.6	19.4	21.0	21.3	UGR Viewed Endwise				
	3H	20.3	21.8	20.7	22.1	22.5	20.7	22.3	21.1	22.7	23.0
	4H	20.7	22.1	21.1	22.5	22.9	22.7	24.1	23.1	24.5	24.9
	6H	20.9	22.2	21.4	22.6	23.0	23.5	24.9	24.0	25.3	25.7
	8H	21.0	22.2	21.4	22.6	23.1	24.3	25.6	24.8	26.0	26.5
	12H	21.0	22.2	21.5	22.6	23.1	24.7	25.9	25.2	26.4	26.8
4H		21.0	22.2	21.5	22.6	23.1	25.1	26.3	25.6	26.7	27.2
	2H	19.8	21.2	20.3	21.6	22.0	21.2	22.5	21.6	22.9	23.4
	3H	21.4	22.5	21.8	23.0	23.4	23.4	24.5	23.8	25.0	25.4
	4H	21.9	23.0	22.4	23.4	23.9	24.4	25.4	24.9	25.9	26.4
	6H	22.3	23.2	22.7	23.7	24.2	25.4	26.3	25.8	26.8	27.3
	8H	22.3	23.2	22.8	23.7	24.2	25.8	26.7	26.3	27.2	27.7
8H	12H	22.4	23.2	22.9	23.7	24.2	26.3	27.1	26.8	27.6	28.1
	4H	22.5	23.3	23.0	23.8	24.3	24.6	25.5	25.1	26.0	26.5
	6H	23.0	23.7	23.5	24.2	24.8	25.8	26.5	26.3	27.0	27.5
	8H	23.2	23.8	23.7	24.4	24.9	26.4	27.0	26.9	27.5	28.1
12H	12H	23.3	23.9	23.8	24.4	25.0	27.0	27.6	27.5	28.1	28.7
	4H	22.6	23.4	23.1	23.9	24.4	24.6	25.4	25.1	25.9	26.4
	6H	23.2	23.9	23.8	24.4	24.9	25.8	26.5	26.4	27.0	27.6
	8H	23.4	24.0	24.0	24.6	25.2	26.5	27.0	27.0	27.6	28.2

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 2887.577 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.)