



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 SEL75 UV FR 930 @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 6 SEL75 UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 48 LED boards, 3000K

[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	10314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	70.3
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	14560	13991	13932
55	12719	12711	12796
65	10259	11135	11295
75	7503	9546	9563
85	4451	8953	8388

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1282.36	N.A.	12.40
0-30	2727.06	N.A.	26.40
0-40	4465.28	N.A.	43.30
0-60	7827.34	N.A.	75.90
0-80	9757.23	N.A.	94.60
0-90	10130.2	N.A.	98.20
10-90	9799.06	N.A.	95.00
20-40	3182.92	N.A.	30.90
20-50	4966.47	N.A.	48.20
40-70	4550.44	N.A.	44.10
60-80	1929.89	N.A.	18.70
70-80	741.51	N.A.	7.20
80-90	372.97	N.A.	3.60
90-110	183.85	N.A.	1.80
90-120	184.23	N.A.	1.80
90-130	184.23	N.A.	1.80
90-150	184.23	N.A.	1.80
90-180	184.23	N.A.	1.80
110-180	0.37	N.A.	0.00
0-180	10314.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	331.13
10-20	951.22
20-30	1444.7
30-40	1738.22
40-50	1783.54
50-60	1578.51
60-70	1188.39
70-80	741.51
80-90	372.97
90-100	149.51
100-110	34.35
110-120	0.37
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

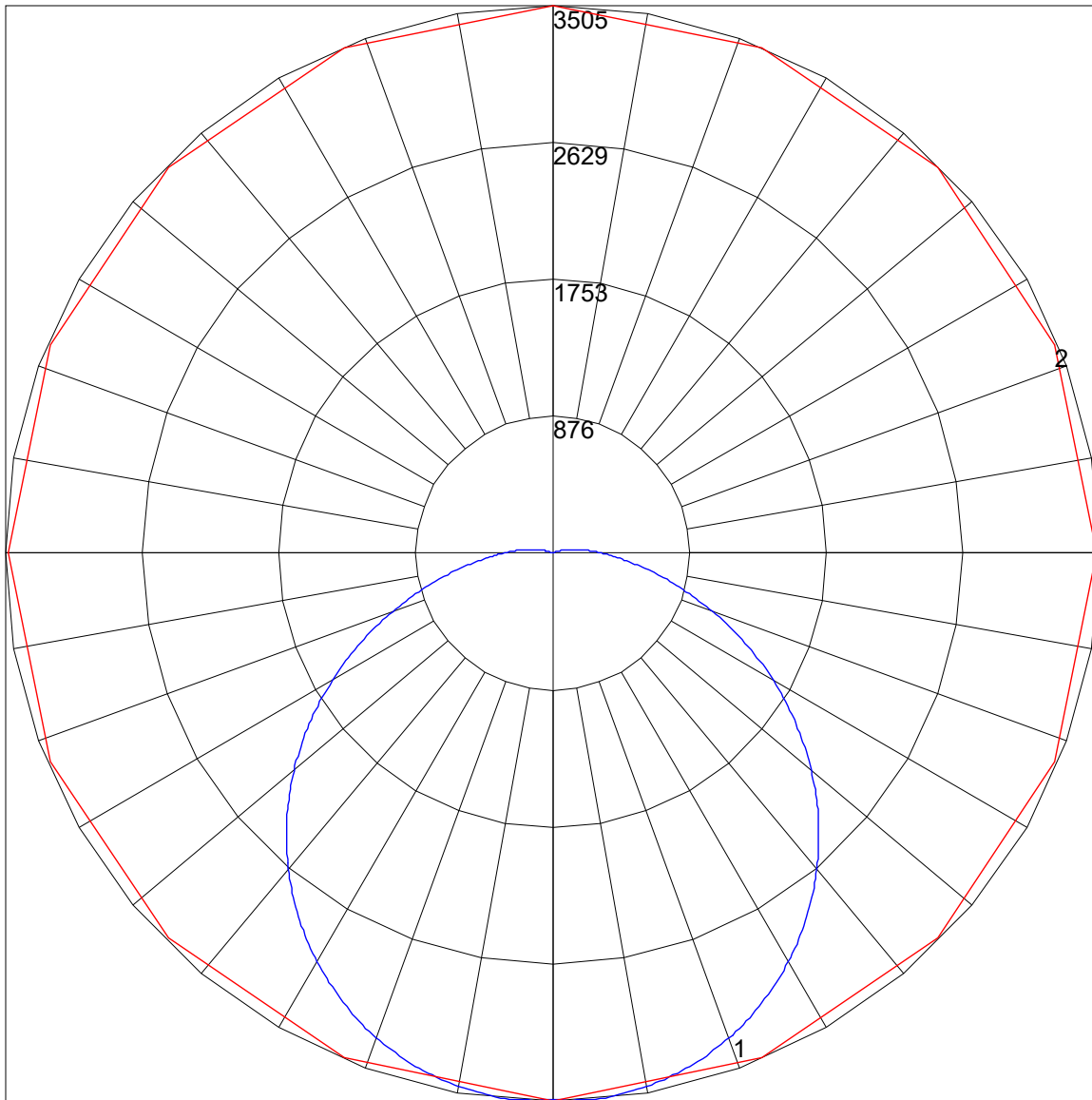
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**UGR TABLE - CORRECTED**

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	19.7	21.3	20.1	21.7	22.0	21.4	23.0	21.8	23.4	23.7
	3H	21.0	22.5	21.4	22.8	23.2	23.4	24.8	23.8	25.2	25.6
	4H	21.4	22.8	21.8	23.2	23.6	24.2	25.6	24.7	26.0	26.4
	6H	21.6	22.9	22.1	23.3	23.7	25.0	26.3	25.5	26.7	27.2
	8H	21.7	22.9	22.1	23.3	23.8	25.4	26.6	25.9	27.1	27.5
	12H	21.7	22.9	22.2	23.3	23.8	25.8	27.0	26.3	27.4	27.9
4H	2H	20.5	21.9	21.0	22.3	22.7	21.9	23.2	22.3	23.6	24.1
	3H	22.1	23.2	22.5	23.7	24.1	24.1	25.2	24.5	25.7	26.1
	4H	22.6	23.7	23.1	24.1	24.6	25.1	26.1	25.6	26.6	27.1
	6H	23.0	23.9	23.4	24.4	24.9	26.1	27.0	26.5	27.5	28.0
	8H	23.0	23.9	23.5	24.4	24.9	26.5	27.4	27.0	27.9	28.4
	12H	23.1	23.9	23.6	24.4	24.9	27.0	27.8	27.5	28.3	28.8
8H	4H	23.2	24.0	23.7	24.5	25.0	25.3	26.2	25.8	26.7	27.2
	6H	23.7	24.4	24.2	24.9	25.5	26.5	27.2	27.0	27.7	28.2
	8H	23.9	24.5	24.4	25.1	25.6	27.1	27.7	27.6	28.2	28.8
	12H	24.0	24.6	24.5	25.1	25.7	27.7	28.3	28.2	28.8	29.4
12H	4H	23.3	24.1	23.8	24.6	25.1	25.3	26.1	25.8	26.6	27.1
	6H	23.9	24.6	24.5	25.1	25.6	26.5	27.2	27.1	27.7	28.3
	8H	24.1	24.7	24.7	25.3	25.9	27.2	27.7	27.7	28.3	28.9

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 3505.034 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.)