



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL35 UV FR 940 @650MA.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 8 SEL35 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 650mA

[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	5059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	163
Total Luminaire Watts	31
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)	8.00 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	5370	5156	5125
55	4696	4687	4707
65	3795	4109	4155
75	2787	3528	3518
85	1682	3322	3086

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ECL G2 8 SEL35 UV FR 940 @650MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	629.02	N.A.	12.40
0-30	1337.67	N.A.	26.40
0-40	2190.3	N.A.	43.30
0-60	3839.46	N.A.	75.90
0-80	4786.11	N.A.	94.60
0-90	4969.05	N.A.	98.20
10-90	4806.63	N.A.	95.00
20-40	1561.28	N.A.	30.90
20-50	2436.15	N.A.	48.20
40-70	2232.08	N.A.	44.10
60-80	946.65	N.A.	18.70
70-80	363.72	N.A.	7.20
80-90	182.95	N.A.	3.60
90-110	90.18	N.A.	1.80
90-120	90.37	N.A.	1.80
90-130	90.37	N.A.	1.80
90-150	90.37	N.A.	1.80
90-180	90.37	N.A.	1.80
110-180	0.18	N.A.	0.00
0-180	5059.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	162.43
10-20	466.59
20-30	708.65
30-40	852.63
40-50	874.86
50-60	774.29
60-70	582.93
70-80	363.72
80-90	182.95
90-100	73.34
100-110	16.85
110-120	0.18
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	26	36	30	25	35	29	25	23

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## UGR TABLE - CORRECTED

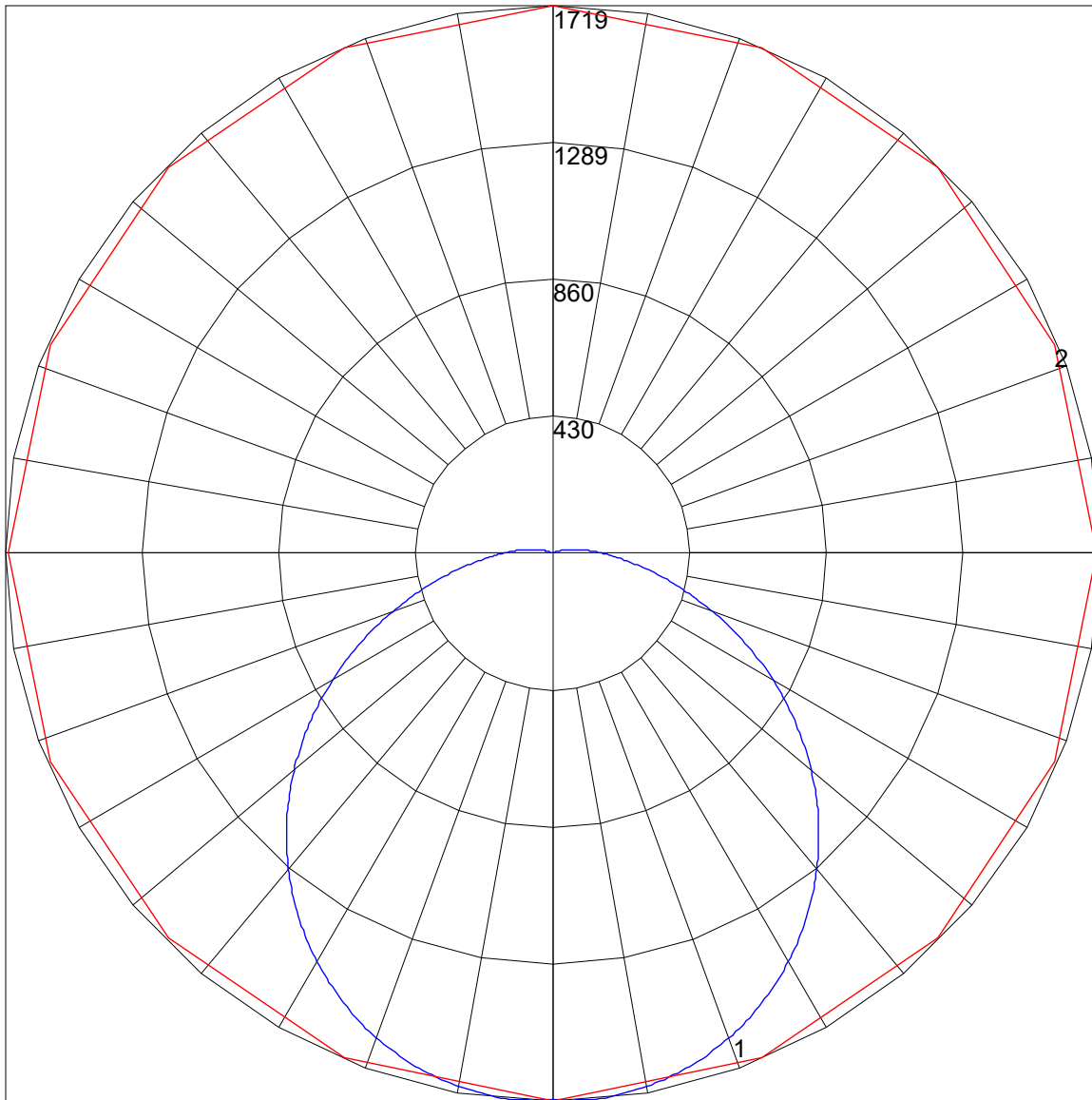
### Reflectances

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	16.2	17.8	16.6	18.2	18.5	17.9	19.5	18.3	19.9	20.2
	3H	17.5	19.0	17.9	19.3	19.7	19.9	21.4	20.3	21.7	22.1
	4H	17.9	19.3	18.3	19.7	20.1	20.7	22.1	21.2	22.5	22.9
	6H	18.1	19.4	18.6	19.8	20.3	21.5	22.8	22.0	23.2	23.7
	8H	18.2	19.4	18.6	19.8	20.3	21.9	23.2	22.4	23.6	24.0
	12H	18.2	19.4	18.7	19.8	20.3	22.3	23.5	22.8	23.9	24.4
4H	2H	17.0	18.4	17.5	18.8	19.2	18.4	19.8	18.8	20.1	20.6
	3H	18.6	19.8	19.0	20.2	20.6	20.6	21.8	21.0	22.2	22.6
	4H	19.1	20.2	19.6	20.6	21.1	21.6	22.7	22.1	23.1	23.6
	6H	19.5	20.4	19.9	20.9	21.4	22.6	23.5	23.1	24.0	24.5
	8H	19.5	20.4	20.0	20.9	21.4	23.0	23.9	23.5	24.4	24.9
	12H	19.6	20.4	20.1	20.9	21.4	23.6	24.3	24.1	24.9	25.4
8H	4H	19.7	20.5	20.2	21.0	21.5	21.8	22.7	22.3	23.2	23.7
	6H	20.2	20.9	20.7	21.4	22.0	23.0	23.7	23.5	24.2	24.8
	8H	20.4	21.0	20.9	21.6	22.1	23.6	24.2	24.1	24.8	25.3
	12H	20.5	21.1	21.0	21.6	22.2	24.2	24.8	24.8	25.3	25.9
12H	4H	19.8	20.6	20.3	21.1	21.6	21.8	22.6	22.4	23.2	23.7
	6H	20.4	21.1	21.0	21.6	22.2	23.1	23.7	23.6	24.2	24.8
	8H	20.7	21.2	21.2	21.8	22.4	23.7	24.3	24.2	24.8	25.4

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 1719.285 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.)