



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL15 UV FR 940 @300MA.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 SEL15 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Two LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 300mA

[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	2048
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	13.6
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	4314	4153	4149
55	3760	3769	3811
65	3022	3296	3364
75	2193	2816	2848
85	1258	2621	2498

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Zone	Lumens	%Lamp	%Fixt
0-20	254.61	N.A.	12.40
0-30	541.45	N.A.	26.40
0-40	886.56	N.A.	43.30
0-60	1554.09	N.A.	75.90
0-80	1937.26	N.A.	94.60
0-90	2011.31	N.A.	98.20
10-90	1945.57	N.A.	95.00
20-40	631.96	N.A.	30.90
20-50	986.07	N.A.	48.20
40-70	903.47	N.A.	44.10
60-80	383.17	N.A.	18.70
70-80	147.22	N.A.	7.20
80-90	74.05	N.A.	3.60
90-110	36.50	N.A.	1.80
90-120	36.58	N.A.	1.80
90-130	36.58	N.A.	1.80
90-150	36.58	N.A.	1.80
90-180	36.58	N.A.	1.80
110-180	0.07	N.A.	0.00
0-180	2047.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.75
10-20	188.86
20-30	286.84
30-40	345.12
40-50	354.12
50-60	313.41
60-70	235.95
70-80	147.22
80-90	74.05
90-100	29.68
100-110	6.82
110-120	0.07
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

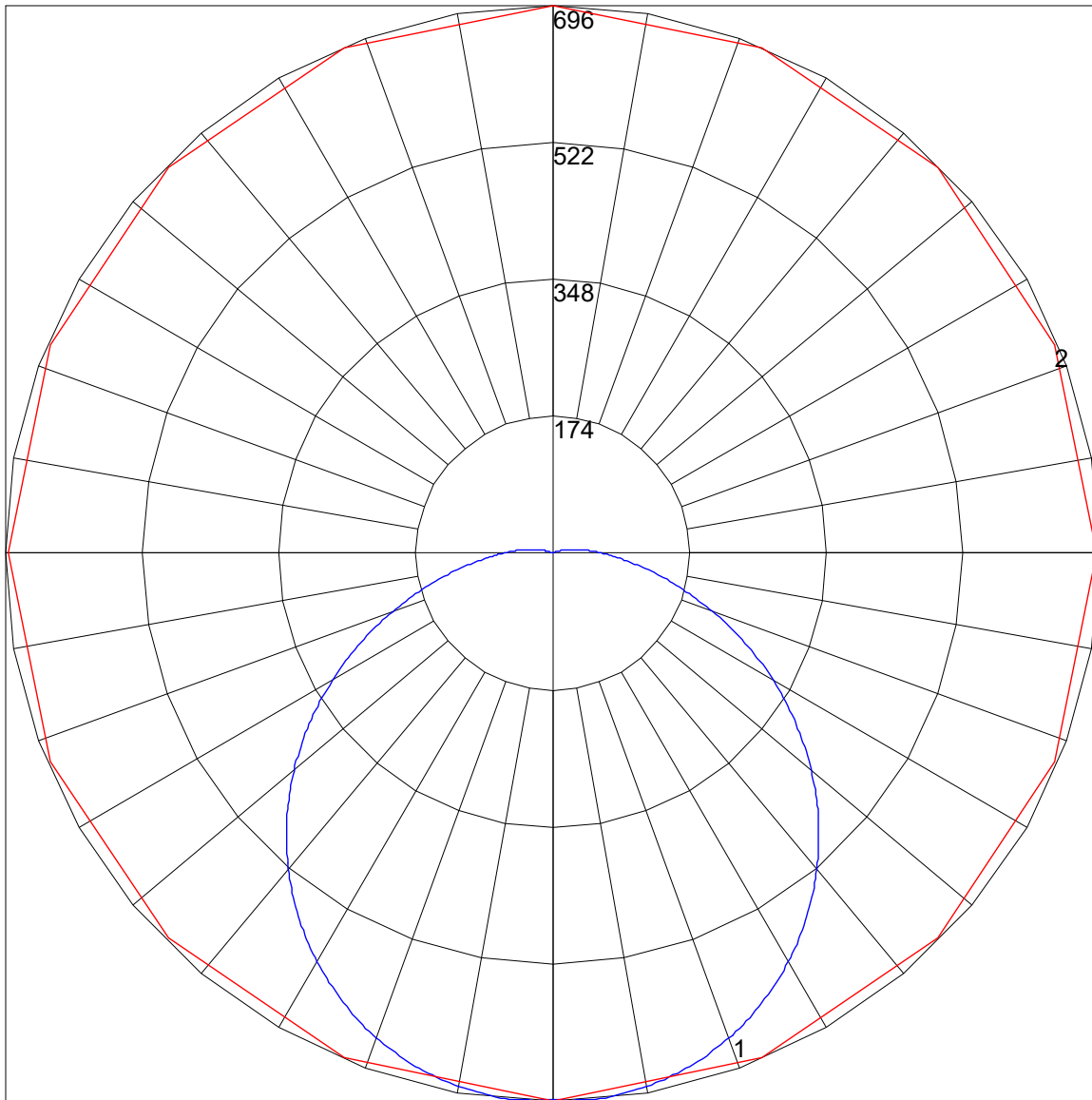
Reflectances

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	15.5	17.1	15.9	17.5	17.8	17.2	18.8	17.6	19.1	19.5
	3H	16.8	18.3	17.2	18.6	19.0	19.2	20.6	19.6	21.0	21.4
	4H	17.2	18.6	17.6	19.0	19.4	20.0	21.4	20.4	21.8	22.2
	6H	17.4	18.7	17.9	19.1	19.5	20.8	22.1	21.2	22.5	22.9
	8H	17.5	18.7	17.9	19.1	19.6	21.2	22.4	21.6	22.8	23.3
	12H	17.5	18.7	18.0	19.1	19.6	21.6	22.7	22.0	23.1	23.6
4H	2H	16.3	17.7	16.8	18.1	18.5	17.6	19.0	18.1	19.4	19.8
	3H	17.9	19.0	18.3	19.5	19.9	19.9	21.0	20.3	21.5	21.9
	4H	18.4	19.5	18.9	19.9	20.4	20.9	21.9	21.3	22.4	22.9
	6H	18.7	19.7	19.2	20.2	20.7	21.8	22.8	22.3	23.2	23.7
	8H	18.8	19.7	19.3	20.2	20.7	22.3	23.2	22.8	23.6	24.1
	12H	18.9	19.7	19.4	20.2	20.7	22.8	23.6	23.3	24.1	24.6
8H	4H	19.0	19.8	19.4	20.3	20.8	21.1	22.0	21.6	22.4	23.0
	6H	19.5	20.2	20.0	20.7	21.3	22.2	23.0	22.7	23.5	24.0
	8H	19.7	20.3	20.2	20.8	21.4	22.8	23.5	23.3	24.0	24.5
	12H	19.8	20.3	20.3	20.9	21.5	23.4	24.0	24.0	24.6	25.2
12H	4H	19.1	19.9	19.6	20.4	20.9	21.1	21.9	21.6	22.4	22.9
	6H	19.7	20.4	20.3	20.9	21.4	22.3	22.9	22.8	23.4	24.0
	8H	19.9	20.5	20.5	21.0	21.7	22.9	23.5	23.4	24.0	24.6

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 695.911 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.)