



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL45 UV FR 940 @750MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-013(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL45 UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 84 LED board, 4000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 750mA

[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	5008
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	32.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 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	20774	20237	20425
55	17829	18257	18762
65	14063	15847	16596
75	9986	13401	14120
85	5242	12201	12495

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Zone	Lumens	%Lamp	%Fixt
0-20	624.21	N.A.	12.50
0-30	1327.03	N.A.	26.50
0-40	2171.82	N.A.	43.40
0-60	3801.55	N.A.	75.90
0-80	4734.27	N.A.	94.50
0-90	4915.73	N.A.	98.20
10-90	4754.48	N.A.	94.90
20-40	1547.61	N.A.	30.90
20-50	2413.19	N.A.	48.20
40-70	2203.71	N.A.	44.00
60-80	932.72	N.A.	18.60
70-80	358.74	N.A.	7.20
80-90	181.47	N.A.	3.60
90-110	91.64	N.A.	1.80
90-120	91.91	N.A.	1.80
90-130	91.91	N.A.	1.80
90-150	91.91	N.A.	1.80
90-180	91.91	N.A.	1.80
110-180	0.27	N.A.	0.00
0-180	5007.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.26
10-20	462.95
20-30	702.82
30-40	844.79
40-50	865.58
50-60	764.15
60-70	573.98
70-80	358.74
80-90	181.47
90-100	73.91
100-110	17.73
110-120	0.27
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	40	51	44	39	49	43	39	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	37	31	42	36	31	41	35	31	29
9	56	42	34	29	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

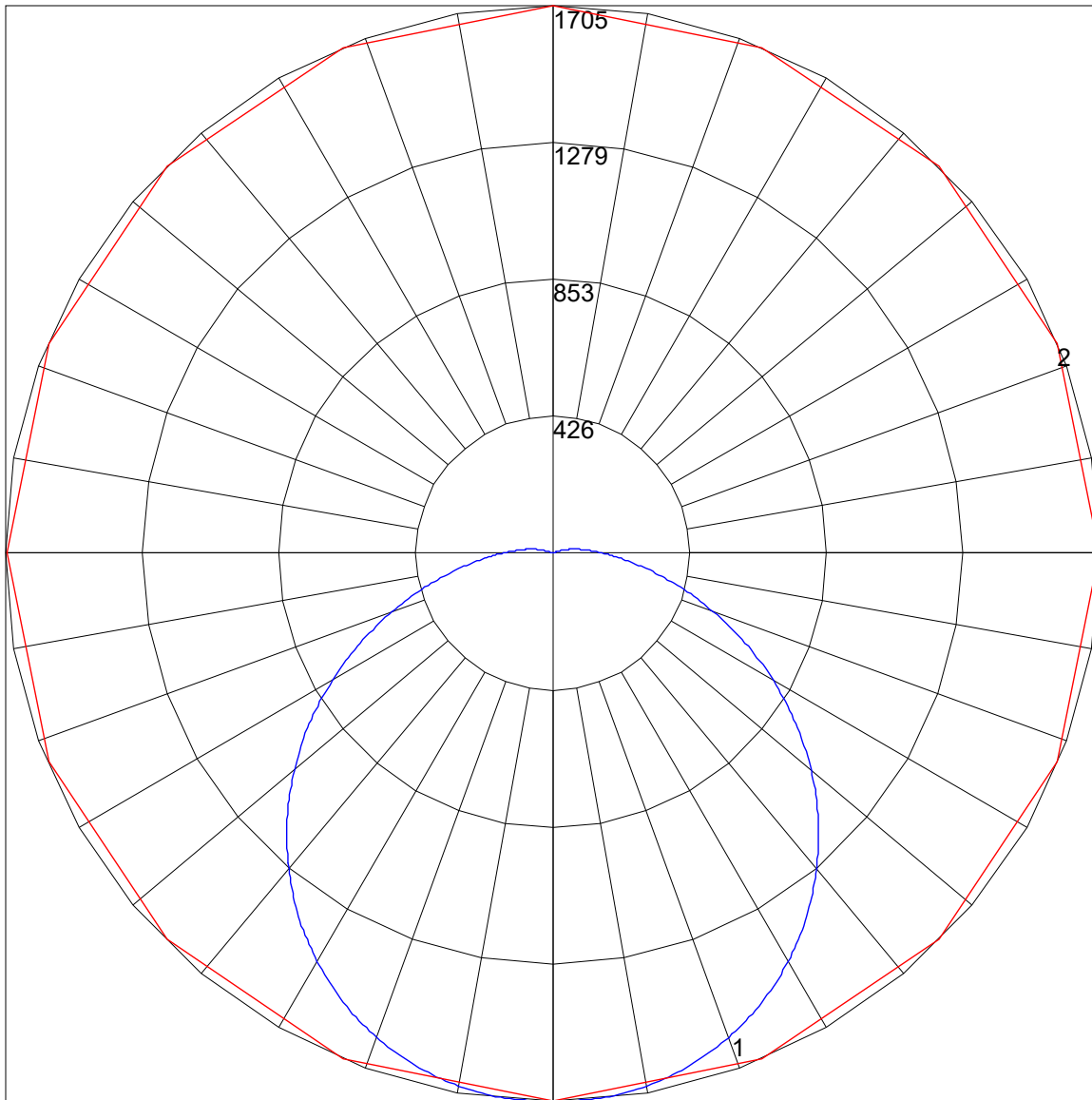
Reflectances

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	20.9	22.5	21.3	22.9	23.3	22.6	24.2	23.0	24.6	25.0
	3H	22.2	23.7	22.6	24.0	24.4	24.6	26.1	25.0	26.4	26.8
	4H	22.6	24.0	23.0	24.4	24.8	25.4	26.8	25.9	27.2	27.6
	6H	22.8	24.1	23.3	24.5	24.9	26.2	27.5	26.7	27.9	28.3
	8H	22.9	24.1	23.3	24.5	25.0	26.6	27.8	27.0	28.2	28.7
	12H	22.9	24.1	23.4	24.5	25.0	26.9	28.1	27.4	28.5	29.0
4H	2H	21.8	23.2	22.2	23.5	24.0	23.1	24.5	23.5	24.9	25.3
	3H	23.3	24.5	23.7	24.9	25.3	25.3	26.5	25.7	26.9	27.4
	4H	23.8	24.9	24.3	25.3	25.8	26.3	27.4	26.8	27.8	28.3
	6H	24.1	25.1	24.6	25.6	26.1	27.2	28.2	27.7	28.7	29.2
	8H	24.2	25.1	24.7	25.6	26.1	27.7	28.6	28.2	29.0	29.6
	12H	24.3	25.1	24.8	25.6	26.1	28.1	28.9	28.7	29.5	30.0
8H	4H	24.4	25.2	24.8	25.7	26.2	26.5	27.4	27.0	27.9	28.4
	6H	24.9	25.6	25.4	26.1	26.6	27.6	28.4	28.2	28.9	29.4
	8H	25.0	25.7	25.6	26.2	26.8	28.2	28.9	28.8	29.4	29.9
	12H	25.1	25.7	25.7	26.3	26.9	28.8	29.4	29.4	29.9	30.5
12H	4H	24.5	25.3	25.0	25.8	26.3	26.5	27.3	27.0	27.8	28.4
	6H	25.1	25.8	25.6	26.2	26.8	27.7	28.4	28.3	28.9	29.4
	8H	25.3	25.9	25.9	26.4	27.0	28.3	28.9	28.9	29.4	30.0

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 1705.082 Located At Horizontal Angle = 90, Vertical Angle = 1.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)