



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL45 UV FR 930 @850MA.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 930

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 84 LED board, 3000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 850mA

[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	5471
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	37.6
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	22697	22110	22316
55	19479	19946	20498
65	15364	17314	18132
75	10910	14641	15426
85	5727	13330	13652

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Zone	Lumens	%Lamp	%Fixt
0-20	681.97	N.A.	12.50
0-30	1449.84	N.A.	26.50
0-40	2372.81	N.A.	43.40
0-60	4153.37	N.A.	75.90
0-80	5172.41	N.A.	94.50
0-90	5370.67	N.A.	98.20
10-90	5194.49	N.A.	94.90
20-40	1690.84	N.A.	30.90
20-50	2636.53	N.A.	48.20
40-70	2407.66	N.A.	44.00
60-80	1019.04	N.A.	18.60
70-80	391.94	N.A.	7.20
80-90	198.26	N.A.	3.60
90-110	100.12	N.A.	1.80
90-120	100.41	N.A.	1.80
90-130	100.41	N.A.	1.80
90-150	100.41	N.A.	1.80
90-180	100.41	N.A.	1.80
110-180	0.30	N.A.	0.00
0-180	5471.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.18
10-20	505.79
20-30	767.87
30-40	922.97
40-50	945.69
50-60	834.87
60-70	627.10
70-80	391.94
80-90	198.26
90-100	80.75
100-110	19.37
110-120	0.30
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	43	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

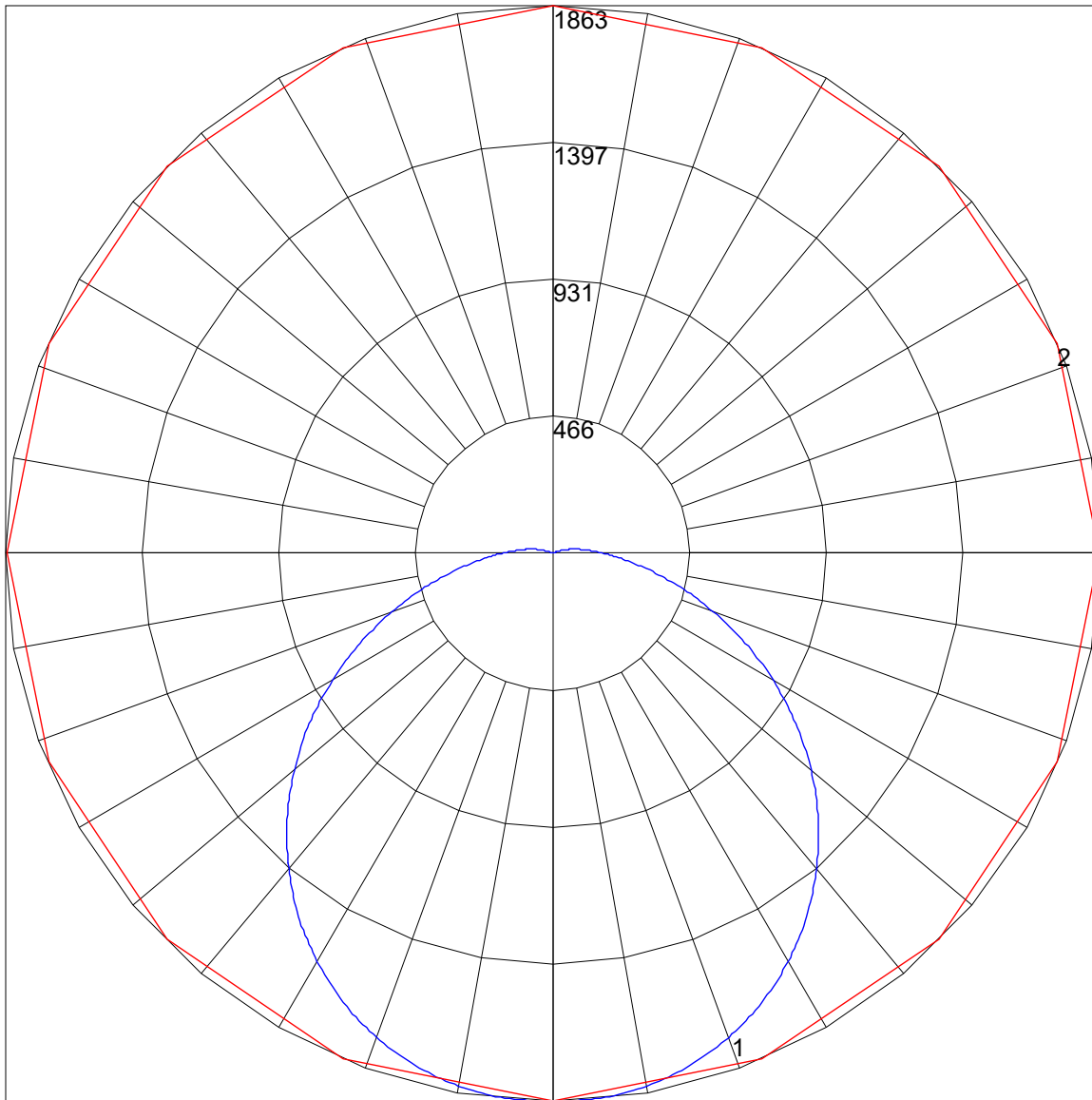
Reflectances

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	21.2	22.8	21.6	23.2	23.6	22.9	24.5	23.3	24.9	25.3
	3H	22.5	24.0	22.9	24.3	24.7	24.9	26.4	25.3	26.7	27.1
	4H	22.9	24.3	23.3	24.7	25.1	25.7	27.1	26.2	27.5	27.9
	6H	23.1	24.4	23.6	24.8	25.2	26.5	27.8	27.0	28.2	28.6
	8H	23.2	24.4	23.6	24.8	25.3	26.9	28.1	27.3	28.5	29.0
	12H	23.2	24.4	23.7	24.8	25.3	27.2	28.4	27.7	28.8	29.3
4H	2H	22.1	23.4	22.5	23.8	24.3	23.4	24.8	23.8	25.2	25.6
	3H	23.6	24.8	24.0	25.2	25.6	25.6	26.8	26.0	27.2	27.7
	4H	24.1	25.2	24.6	25.6	26.1	26.6	27.7	27.1	28.1	28.6
	6H	24.4	25.4	24.9	25.9	26.4	27.5	28.5	28.0	29.0	29.5
	8H	24.5	25.4	25.0	25.9	26.4	28.0	28.9	28.5	29.3	29.8
	12H	24.6	25.4	25.1	25.9	26.4	28.4	29.2	29.0	29.8	30.3
8H	4H	24.7	25.5	25.1	26.0	26.5	26.8	27.7	27.3	28.2	28.7
	6H	25.2	25.9	25.7	26.4	26.9	27.9	28.7	28.5	29.2	29.7
	8H	25.3	26.0	25.9	26.5	27.1	28.5	29.2	29.1	29.7	30.2
	12H	25.4	26.0	26.0	26.6	27.2	29.1	29.7	29.7	30.2	30.8
12H	4H	24.8	25.6	25.3	26.1	26.6	26.8	27.6	27.3	28.1	28.6
	6H	25.4	26.1	25.9	26.5	27.1	28.0	28.7	28.6	29.2	29.7
	8H	25.6	26.2	26.2	26.7	27.3	28.6	29.2	29.2	29.7	30.3

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 1862.882 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.)