



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL75 UV 935 @1300MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-016(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 4 SEL75 UV 935

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

[MORE] no enclosure.

[LAMPCAT] Two LS3872A 64 LED boards, 3500K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set to 1300mA

[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	10054
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	65.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.02 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23897	23096	22949
55	23491	22406	21789
65	22200	20387	19645
75	18912	15995	14973
85	10621	7182	6456

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1229.6	N.A.	12.20
0-30	2633.19	N.A.	26.20
0-40	4359.54	N.A.	43.40
0-60	7887.62	N.A.	78.50
0-80	9891.44	N.A.	98.40
0-90	10052.97	N.A.	100.00
10-90	9736.43	N.A.	96.80
20-40	3129.94	N.A.	31.10
20-50	4964.83	N.A.	49.40
40-70	4823.6	N.A.	48.00
60-80	2003.83	N.A.	19.90
70-80	708.29	N.A.	7.00
80-90	161.53	N.A.	1.60
90-110	0.88	N.A.	0.00
90-120	0.88	N.A.	0.00
90-130	0.88	N.A.	0.00
90-150	0.88	N.A.	0.00
90-180	0.88	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	10053.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	316.55
10-20	913.05
20-30	1403.59
30-40	1726.35
40-50	1834.89
50-60	1693.19
60-70	1295.53
70-80	708.29
80-90	161.53
90-100	0.88
100-110	0.00
110-120	0.00
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	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	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	36	30	25	23

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**UGR TABLE - CORRECTED**

Reflectances

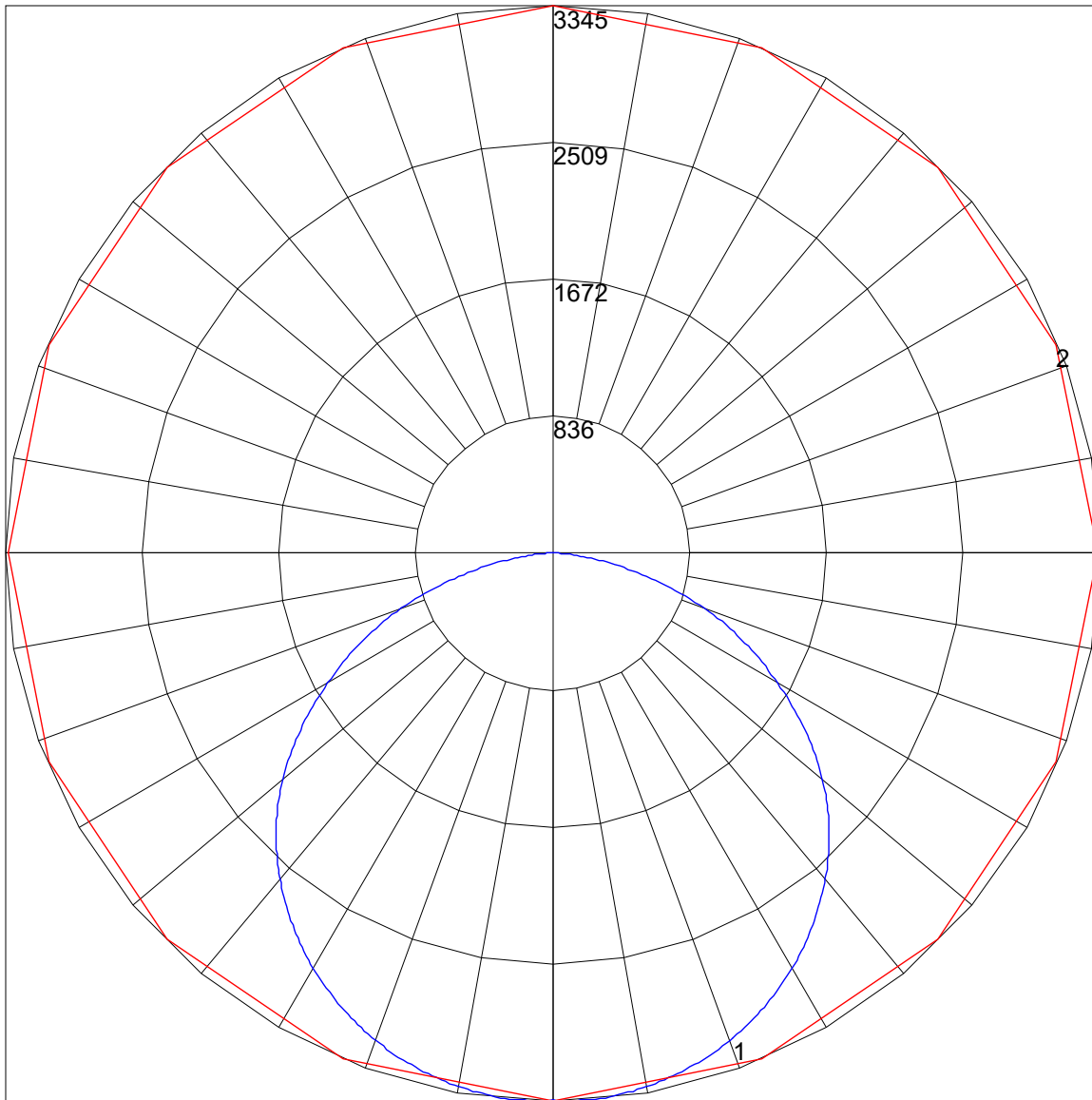
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	23.0	24.7	23.4	25.0	25.3	UGR Viewed Endwise				
	3H	24.8	26.3	25.2	26.6	27.0	23.1	24.8	23.5	25.1	25.4
	4H	25.4	26.8	25.8	27.2	27.5	24.9	26.4	25.3	26.8	27.1
	6H	25.8	27.1	26.2	27.5	27.9	25.5	26.9	25.9	27.3	27.7
	8H	25.9	27.1	26.3	27.5	27.9	25.9	27.2	26.3	27.6	28.0
	12H	25.9	27.1	26.3	27.5	27.9	26.0	27.3	26.4	27.6	28.0
							26.0	27.3	26.5	27.6	28.1
4H	2H	23.7	25.1	24.1	25.4	25.8	23.8	25.2	24.2	25.5	25.9
	3H	25.6	26.8	26.0	27.2	27.6	25.7	26.9	26.1	27.3	27.7
	4H	26.4	27.4	26.8	27.8	28.3	26.4	27.5	26.8	27.9	28.3
	6H	26.9	27.8	27.3	28.2	28.7	26.9	27.8	27.4	28.3	28.7
	8H	27.0	27.8	27.4	28.3	28.8	27.0	27.9	27.5	28.4	28.8
	12H	27.0	27.8	27.5	28.3	28.8	27.1	27.9	27.6	28.4	28.9
8H	4H	26.6	27.5	27.1	27.9	28.4	26.7	27.6	27.1	28.0	28.5
	6H	27.2	27.9	27.7	28.4	28.9	27.2	28.0	27.7	28.5	28.9
	8H	27.3	28.0	27.9	28.5	29.0	27.4	28.1	27.9	28.6	29.1
	12H	27.5	28.0	28.0	28.5	29.1	27.5	28.1	28.0	28.6	29.2
12H	4H	26.6	27.4	27.1	27.9	28.4	26.7	27.5	27.2	28.0	28.4
	6H	27.2	27.9	27.7	28.3	28.9	27.3	27.9	27.8	28.4	28.9
	8H	27.4	28.0	27.9	28.5	29.0	27.5	28.1	28.0	28.5	29.1

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 3344.721 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)