



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL45 UV 940 @700MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-011A(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL45 UV 940

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

[MORE] no enclosure.

[LAMPCAT] One LS3872A 84 LED board, 4000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 700mA

[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	4957
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	163
Total Luminaire Watts	30.5
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)	1.99 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	23544	22793	22721
55	23067	22046	21597
65	21666	20014	19480
75	18294	15664	15314
85	10078	6957	6524

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	606.55	N.A.	12.20
0-30	1298.68	N.A.	26.20
0-40	2149.6	N.A.	43.40
0-60	3886.84	N.A.	78.40
0-80	4876.07	N.A.	98.40
0-90	4956.96	N.A.	100.00
10-90	4800.81	N.A.	96.80
20-40	1543.04	N.A.	31.10
20-50	2446.83	N.A.	49.40
40-70	2374.95	N.A.	47.90
60-80	989.23	N.A.	20.00
70-80	351.53	N.A.	7.10
80-90	80.89	N.A.	1.60
90-110	0.46	N.A.	0.00
90-120	0.46	N.A.	0.00
90-130	0.46	N.A.	0.00
90-150	0.46	N.A.	0.00
90-180	0.46	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4957.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	156.16
10-20	450.40
20-30	692.13
30-40	850.91
40-50	903.79
50-60	833.46
60-70	637.70
70-80	351.53
80-90	80.89
90-100	0.46
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	81	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	51	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	35	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

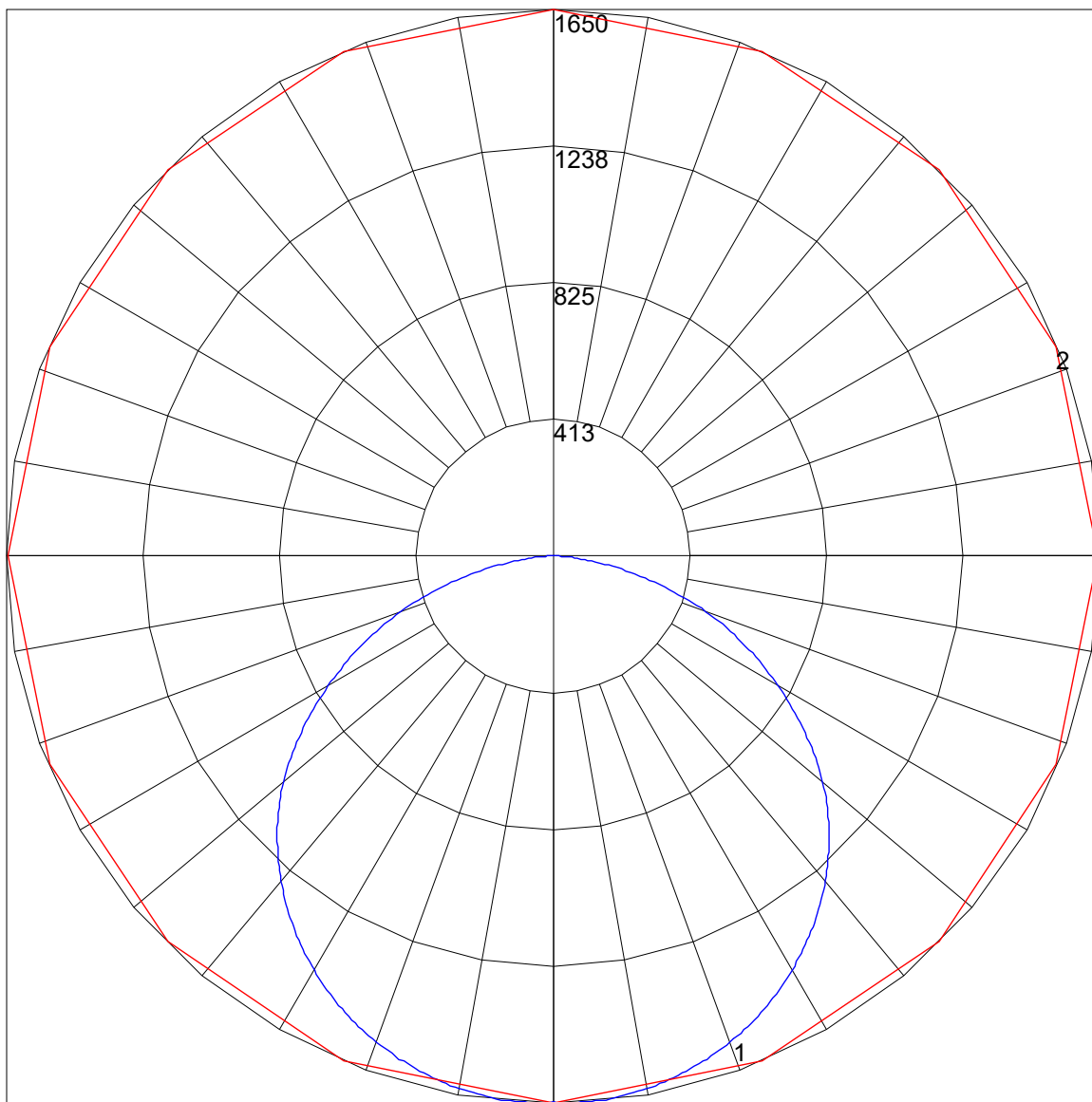
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**UGR TABLE - CORRECTED**

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

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 1650.07 Located At Horizontal Angle = 90, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)