



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL45 UV 940 @750MA.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 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	5293
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	32.9
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	25139	24337	24261
55	24631	23540	23061
65	23134	21370	20800
75	19534	16725	16352
85	10761	7428	6965

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	647.65	N.A.	12.20
0-30	1386.69	N.A.	26.20
0-40	2295.26	N.A.	43.40
0-60	4150.23	N.A.	78.40
0-80	5206.49	N.A.	98.40
0-90	5292.86	N.A.	100.00
10-90	5126.12	N.A.	96.80
20-40	1647.6	N.A.	31.10
20-50	2612.64	N.A.	49.40
40-70	2535.88	N.A.	47.90
60-80	1056.26	N.A.	20.00
70-80	375.35	N.A.	7.10
80-90	86.37	N.A.	1.60
90-110	0.49	N.A.	0.00
90-120	0.49	N.A.	0.00
90-130	0.49	N.A.	0.00
90-150	0.49	N.A.	0.00
90-180	0.49	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5293.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	166.74
10-20	480.92
20-30	739.03
30-40	908.57
40-50	965.03
50-60	889.94
60-70	680.91
70-80	375.35
80-90	86.37
90-100	0.49
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	67	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**

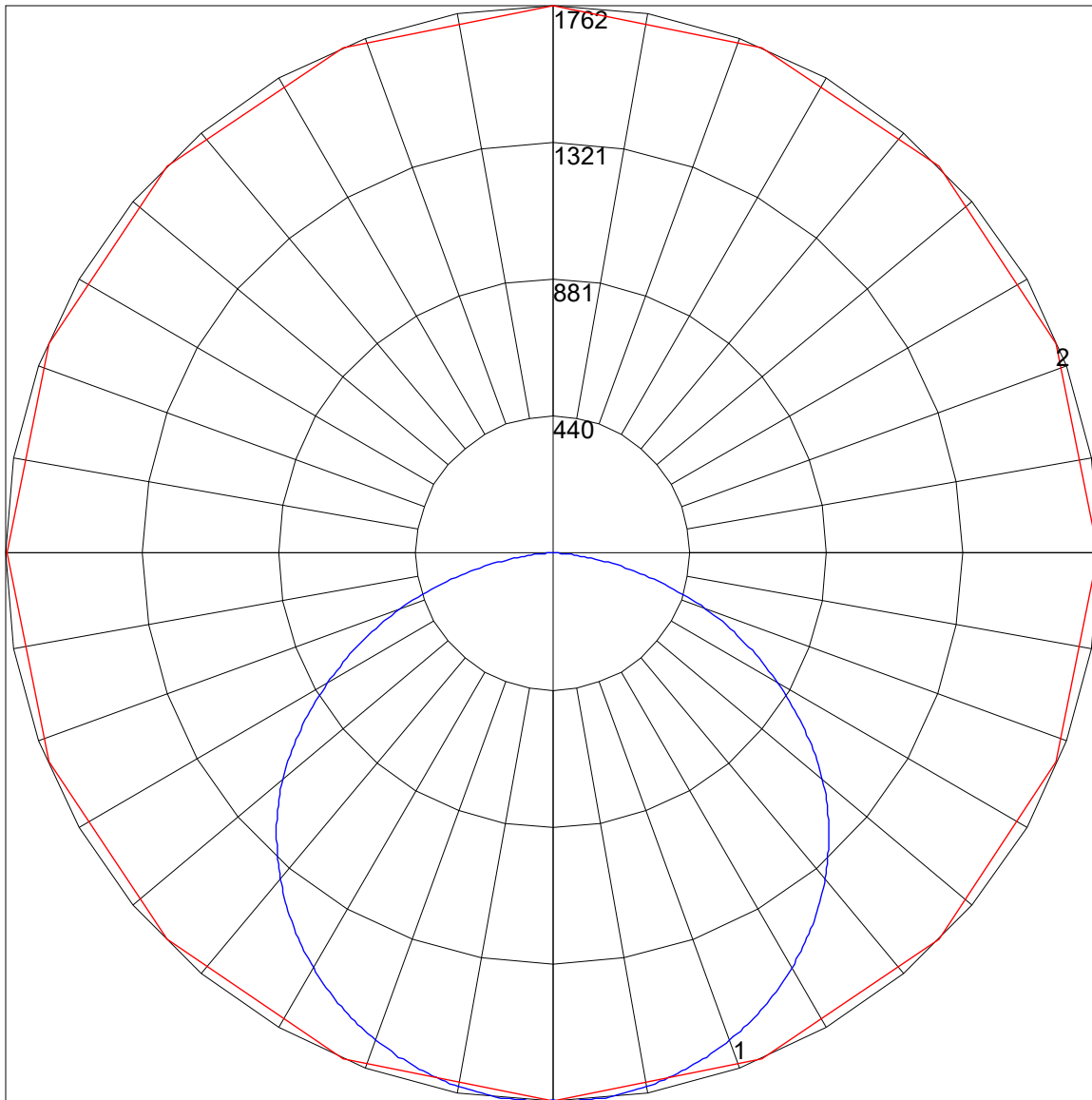
Reflectances

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	23.2	24.9	23.6	25.2	25.5	23.3	25.0	23.7	25.3	25.6
	3H	25.0	26.5	25.4	26.8	27.2	25.1	26.6	25.5	26.9	27.3
	4H	25.6	27.0	26.0	27.4	27.7	25.7	27.1	26.1	27.5	27.9
	6H	26.0	27.3	26.4	27.7	28.1	26.1	27.4	26.5	27.8	28.2
	8H	26.1	27.3	26.5	27.7	28.1	26.2	27.5	26.7	27.9	28.3
	12H	26.1	27.3	26.5	27.7	28.1	26.3	27.5	26.7	27.9	28.3
4H	2H	23.9	25.3	24.3	25.6	26.0	24.0	25.4	24.3	25.7	26.1
	3H	25.8	27.0	26.2	27.4	27.8	25.9	27.1	26.3	27.5	27.9
	4H	26.6	27.6	27.0	28.0	28.5	26.6	27.7	27.1	28.1	28.6
	6H	27.0	28.0	27.5	28.4	28.9	27.1	28.1	27.6	28.5	29.0
	8H	27.2	28.0	27.6	28.5	28.9	27.3	28.2	27.7	28.6	29.1
	12H	27.2	28.0	27.7	28.5	29.0	27.4	28.1	27.8	28.6	29.1
8H	4H	26.8	27.7	27.3	28.1	28.6	26.9	27.8	27.4	28.2	28.7
	6H	27.4	28.1	27.9	28.6	29.1	27.5	28.2	28.0	28.7	29.2
	8H	27.5	28.2	28.1	28.7	29.2	27.6	28.3	28.2	28.8	29.3
	12H	27.6	28.2	28.2	28.7	29.3	27.8	28.4	28.3	28.9	29.4
12H	4H	26.8	27.6	27.3	28.1	28.6	26.9	27.7	27.4	28.2	28.6
	6H	27.4	28.1	27.9	28.5	29.1	27.5	28.2	28.0	28.6	29.2
	8H	27.6	28.2	28.1	28.7	29.2	27.7	28.3	28.2	28.8	29.4

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 1761.883 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.)