



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL75 UV 940 @1200MA.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 8 SEL75 UV 940

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

[MORE] no enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 4000K

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set to 1200mA

[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	9813
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	167
Total Luminaire Watts	58.6
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)	8.00 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	11693	11292	11200
55	11507	10962	10634
65	10895	9986	9587
75	9319	7853	7308
85	5335	3555	3151

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1200.17	N.A.	12.20
0-30	2570.17	N.A.	26.20
0-40	4255.2	N.A.	43.40
0-60	7698.83	N.A.	78.50
0-80	9654.7	N.A.	98.40
0-90	9812.37	N.A.	100.00
10-90	9503.39	N.A.	96.80
20-40	3055.03	N.A.	31.10
20-50	4846.00	N.A.	49.40
40-70	4708.16	N.A.	48.00
60-80	1955.87	N.A.	19.90
70-80	691.34	N.A.	7.00
80-90	157.67	N.A.	1.60
90-110	0.86	N.A.	0.00
90-120	0.86	N.A.	0.00
90-130	0.86	N.A.	0.00
90-150	0.86	N.A.	0.00
90-180	0.86	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9813.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	308.97
10-20	891.20
20-30	1370.00
30-40	1685.03
40-50	1790.97
50-60	1652.66
60-70	1264.52
70-80	691.34
80-90	157.67
90-100	0.86
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**

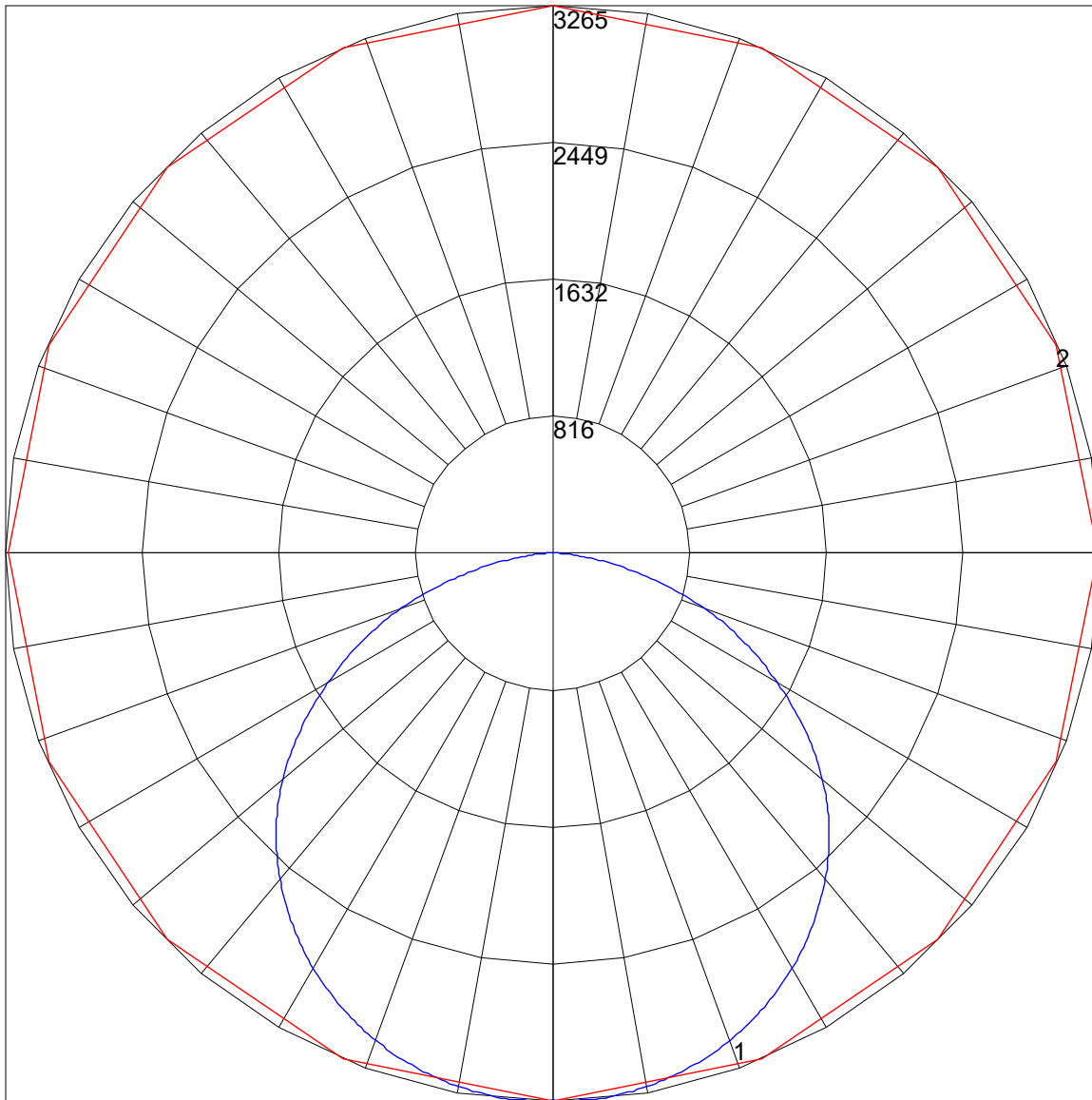
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	20.5	22.2	20.9	22.5	22.8	20.6	22.3	21.0	22.6	22.9
	3H	22.3	23.8	22.7	24.1	24.5	22.4	23.9	22.8	24.3	24.6
	4H	22.9	24.3	23.3	24.7	25.0	23.0	24.4	23.4	24.8	25.2
	6H	23.3	24.6	23.7	25.0	25.4	23.4	24.7	23.8	25.1	25.5
	8H	23.4	24.6	23.8	25.0	25.4	23.5	24.8	24.0	25.2	25.6
	12H	23.4	24.6	23.8	25.0	25.4	23.6	24.8	24.0	25.2	25.6
4H	2H	21.2	22.6	21.6	22.9	23.3	21.3	22.7	21.7	23.0	23.4
	3H	23.1	24.3	23.5	24.7	25.1	23.2	24.4	23.6	24.8	25.2
	4H	23.9	24.9	24.3	25.3	25.8	23.9	25.0	24.4	25.4	25.8
	6H	24.4	25.3	24.8	25.7	26.2	24.4	25.4	24.9	25.8	26.3
	8H	24.5	25.3	24.9	25.8	26.3	24.6	25.4	25.0	25.9	26.3
	12H	24.5	25.3	25.0	25.8	26.3	24.6	25.4	25.1	25.9	26.4
8H	4H	24.1	25.0	24.6	25.4	25.9	24.2	25.1	24.6	25.5	26.0
	6H	24.7	25.4	25.2	25.9	26.4	24.8	25.5	25.3	26.0	26.4
	8H	24.8	25.5	25.4	26.0	26.5	24.9	25.6	25.4	26.1	26.6
	12H	25.0	25.5	25.5	26.0	26.6	25.1	25.6	25.6	26.1	26.7
12H	4H	24.1	24.9	24.6	25.4	25.9	24.2	25.0	24.7	25.5	25.9
	6H	24.7	25.4	25.2	25.8	26.4	24.8	25.4	25.3	25.9	26.4
	8H	24.9	25.5	25.4	26.0	26.6	25.0	25.6	25.5	26.1	26.6

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 3264.668 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.)