



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL25 UV 930 @450MA.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 SEL25 UV 930

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

[MORE] no enclosure.

[LAMPCAT] Four LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set at 450mA

[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	3566
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	22
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	4249	4103	4070
55	4182	3983	3864
65	3959	3629	3484
75	3386	2853	2655
85	1938	1292	1145

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	436.11	N.A.	12.20
0-30	933.94	N.A.	26.20
0-40	1546.24	N.A.	43.40
0-60	2797.57	N.A.	78.50
0-80	3508.28	N.A.	98.40
0-90	3565.57	N.A.	100.00
10-90	3453.3	N.A.	96.80
20-40	1110.12	N.A.	31.10
20-50	1760.92	N.A.	49.40
40-70	1710.83	N.A.	48.00
60-80	710.71	N.A.	19.90
70-80	251.22	N.A.	7.00
80-90	57.29	N.A.	1.60
90-110	0.31	N.A.	0.00
90-120	0.31	N.A.	0.00
90-130	0.31	N.A.	0.00
90-150	0.31	N.A.	0.00
90-180	0.31	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3565.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	112.27
10-20	323.84
20-30	497.82
30-40	612.30
40-50	650.79
50-60	600.54
60-70	459.50
70-80	251.22
80-90	57.29
90-100	0.31
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	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

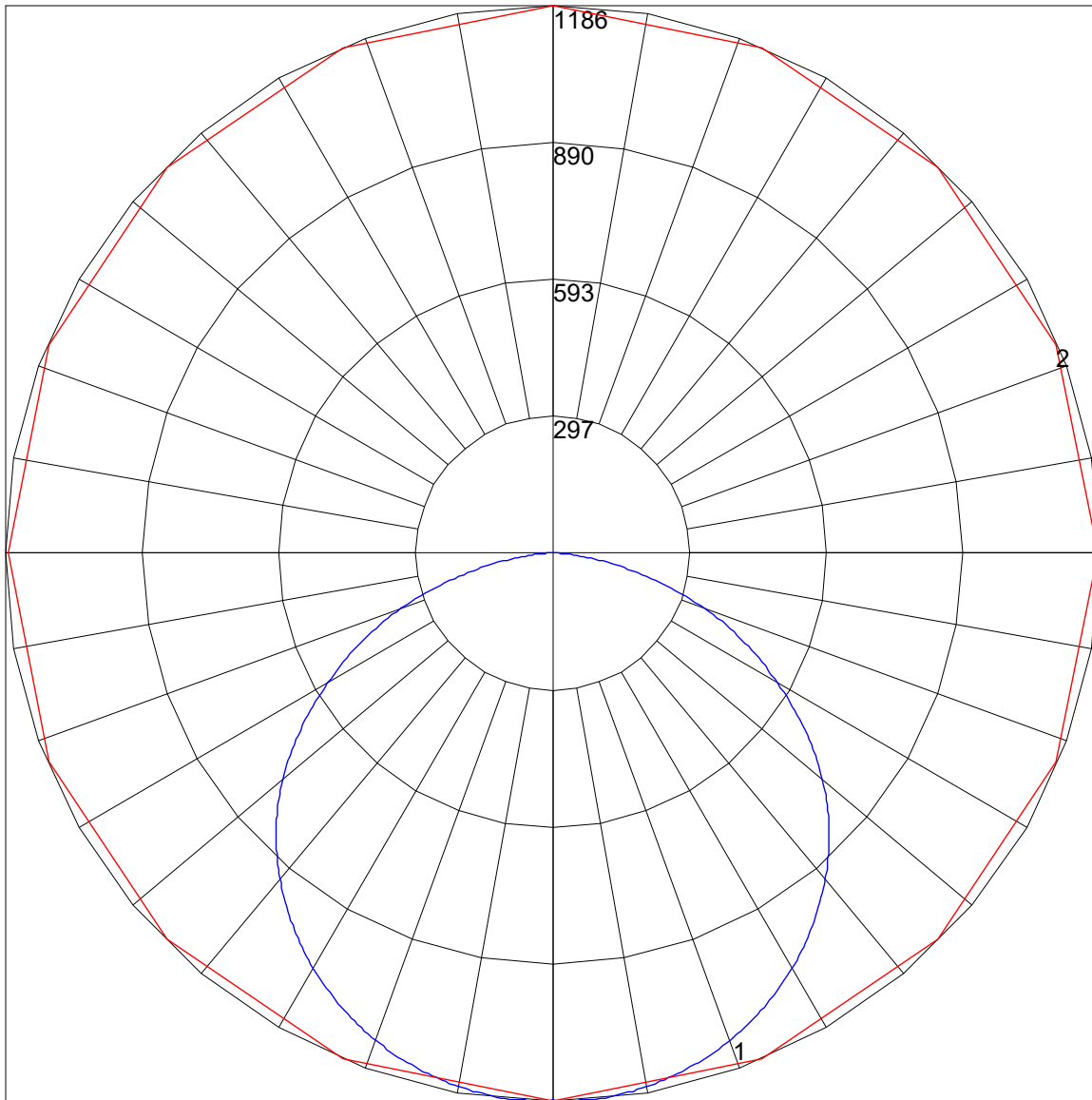
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**UGR TABLE - CORRECTED**

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	17.0	18.7	17.4	19.0	19.3	17.1	18.8	17.5	19.1	19.4
	3H	18.8	20.3	19.2	20.6	21.0	18.9	20.4	19.3	20.8	21.1
	4H	19.4	20.8	19.8	21.2	21.5	19.5	20.9	19.9	21.3	21.7
	6H	19.8	21.1	20.2	21.5	21.9	19.9	21.2	20.3	21.6	22.0
	8H	19.9	21.1	20.3	21.5	21.9	20.0	21.3	20.5	21.7	22.1
	12H	19.9	21.1	20.3	21.5	21.9	20.1	21.3	20.5	21.7	22.1
4H	2H	17.7	19.1	18.1	19.4	19.8	17.8	19.2	18.2	19.5	19.9
	3H	19.6	20.8	20.0	21.2	21.6	19.7	20.9	20.1	21.3	21.7
	4H	20.4	21.4	20.8	21.8	22.3	20.4	21.5	20.9	21.9	22.3
	6H	20.9	21.8	21.3	22.2	22.7	20.9	21.9	21.4	22.3	22.8
	8H	21.0	21.8	21.4	22.3	22.8	21.1	21.9	21.5	22.4	22.8
	12H	21.0	21.8	21.5	22.3	22.8	21.1	21.9	21.6	22.4	22.9
8H	4H	20.6	21.5	21.1	21.9	22.4	20.7	21.6	21.1	22.0	22.5
	6H	21.2	21.9	21.7	22.4	22.9	21.3	22.0	21.8	22.5	22.9
	8H	21.3	22.0	21.9	22.5	23.0	21.4	22.1	21.9	22.6	23.1
	12H	21.5	22.0	22.0	22.5	23.1	21.6	22.1	22.1	22.6	23.2
12H	4H	20.6	21.4	21.1	21.9	22.4	20.7	21.5	21.2	22.0	22.4
	6H	21.2	21.9	21.7	22.3	22.9	21.3	21.9	21.8	22.4	22.9
	8H	21.4	22.0	21.9	22.5	23.1	21.5	22.1	22.0	22.6	23.1

Maximum UGR = 23.2

POLAR GRAPH



Maximum Candela = 1186.301 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.)