



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SEL15 UV 935 @270MA.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 SEL15 UV 935

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

[MORE] no enclosure.

[LAMPCAT] Four LS3872A 28 LED boards, 3500K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set at 270mA

[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	1878
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	12
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	2238	2161	2143
55	2202	2098	2035
65	2085	1911	1835
75	1784	1503	1399
85	1021	680	603

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	229.69	N.A.	12.20
0-30	491.89	N.A.	26.20
0-40	814.37	N.A.	43.40
0-60	1473.43	N.A.	78.50
0-80	1847.75	N.A.	98.40
0-90	1877.92	N.A.	100.00
10-90	1818.79	N.A.	96.80
20-40	584.68	N.A.	31.10
20-50	927.44	N.A.	49.40
40-70	901.06	N.A.	48.00
60-80	374.32	N.A.	19.90
70-80	132.31	N.A.	7.00
80-90	30.17	N.A.	1.60
90-110	0.16	N.A.	0.00
90-120	0.16	N.A.	0.00
90-130	0.16	N.A.	0.00
90-150	0.16	N.A.	0.00
90-180	0.16	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1878.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	59.13
10-20	170.56
20-30	262.19
30-40	322.49
40-50	342.76
50-60	316.29
60-70	242.01
70-80	132.31
80-90	30.17
90-100	0.16
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	69	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**

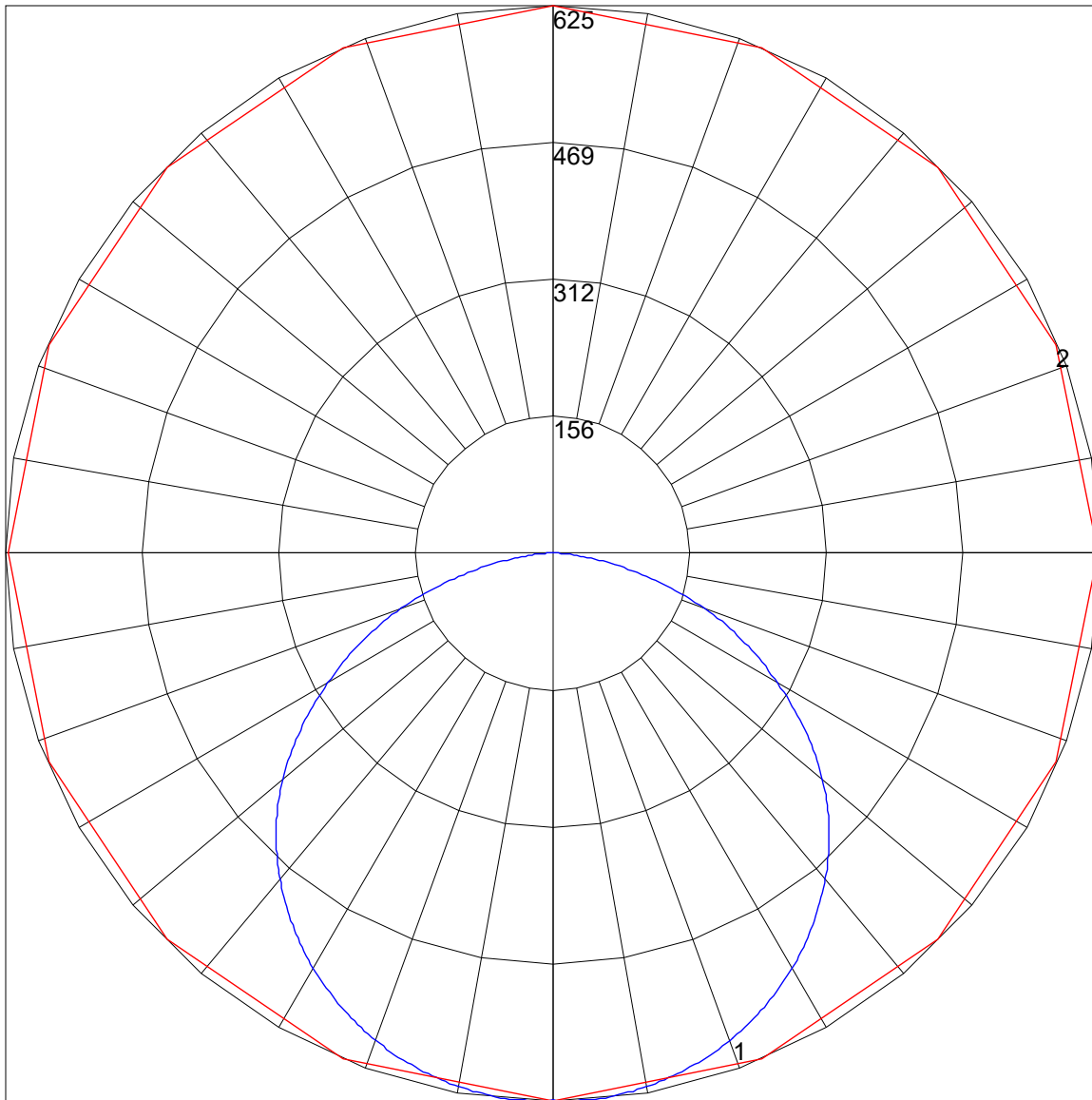
Reflectances

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	14.8	16.5	15.2	16.8	17.1	14.9	16.6	15.3	16.9	17.2
	3H	16.6	18.1	17.0	18.4	18.8	16.7	18.2	17.1	18.6	18.9
	4H	17.2	18.6	17.6	19.0	19.3	17.3	18.7	17.7	19.1	19.5
	6H	17.6	18.9	18.0	19.3	19.7	17.7	19.0	18.1	19.4	19.8
	8H	17.7	18.9	18.1	19.3	19.7	17.8	19.1	18.3	19.5	19.9
	12H	17.7	18.9	18.1	19.3	19.7	17.9	19.1	18.3	19.5	19.9
4H	2H	15.5	16.9	15.9	17.2	17.6	15.6	17.0	16.0	17.3	17.7
	3H	17.4	18.6	17.8	19.0	19.4	17.5	18.7	17.9	19.1	19.5
	4H	18.2	19.2	18.6	19.6	20.1	18.2	19.3	18.7	19.7	20.1
	6H	18.6	19.6	19.1	20.0	20.5	18.7	19.7	19.2	20.1	20.5
	8H	18.8	19.6	19.2	20.1	20.6	18.9	19.7	19.3	20.2	20.6
	12H	18.8	19.6	19.3	20.1	20.6	18.9	19.7	19.4	20.2	20.7
8H	4H	18.4	19.3	18.9	19.7	20.2	18.5	19.4	18.9	19.8	20.3
	6H	19.0	19.7	19.5	20.2	20.7	19.1	19.8	19.6	20.3	20.7
	8H	19.1	19.8	19.7	20.3	20.8	19.2	19.9	19.7	20.4	20.9
	12H	19.2	19.8	19.8	20.3	20.9	19.4	19.9	19.9	20.4	21.0
12H	4H	18.4	19.2	18.9	19.7	20.2	18.5	19.3	19.0	19.8	20.2
	6H	19.0	19.7	19.5	20.1	20.7	19.1	19.7	19.6	20.2	20.7
	8H	19.2	19.8	19.7	20.3	20.8	19.3	19.9	19.8	20.4	20.9

Maximum UGR = 21.0

POLAR GRAPH



Maximum Candela = 624.802 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.)