



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV FR 935 @300MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-013(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 2 SEL15 UV FR 935

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

[MORE] translucent curved plastic enclosure.

[LAMPCAT] One LS3872A 28 LED board, 3500K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 300mA

[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	1928
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	14.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7998	7791	7863
55	6864	7028	7223
65	5414	6101	6389
75	3844	5159	5436
85	2018	4697	4811

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Zone	Lumens	%Lamp	%Fixt
0-20	240.31	N.A.	12.50
0-30	510.89	N.A.	26.50
0-40	836.12	N.A.	43.40
0-60	1463.54	N.A.	75.90
0-80	1822.62	N.A.	94.50
0-90	1892.49	N.A.	98.20
10-90	1830.4	N.A.	94.90
20-40	595.81	N.A.	30.90
20-50	929.04	N.A.	48.20
40-70	848.40	N.A.	44.00
60-80	359.08	N.A.	18.60
70-80	138.11	N.A.	7.20
80-90	69.86	N.A.	3.60
90-110	35.28	N.A.	1.80
90-120	35.38	N.A.	1.80
90-130	35.38	N.A.	1.80
90-150	35.38	N.A.	1.80
90-180	35.38	N.A.	1.80
110-180	0.10	N.A.	0.00
0-180	1927.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.08
10-20	178.23
20-30	270.58
30-40	325.23
40-50	333.24
50-60	294.19
60-70	220.97
70-80	138.11
80-90	69.86
90-100	28.45
100-110	6.83
110-120	0.10
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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	49	43	39	36
7	64	51	42	36	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	37	31	42	36	31	41	35	31	29
9	56	42	34	29	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	26	36	30	25	35	29	25	23

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UGR TABLE - CORRECTED

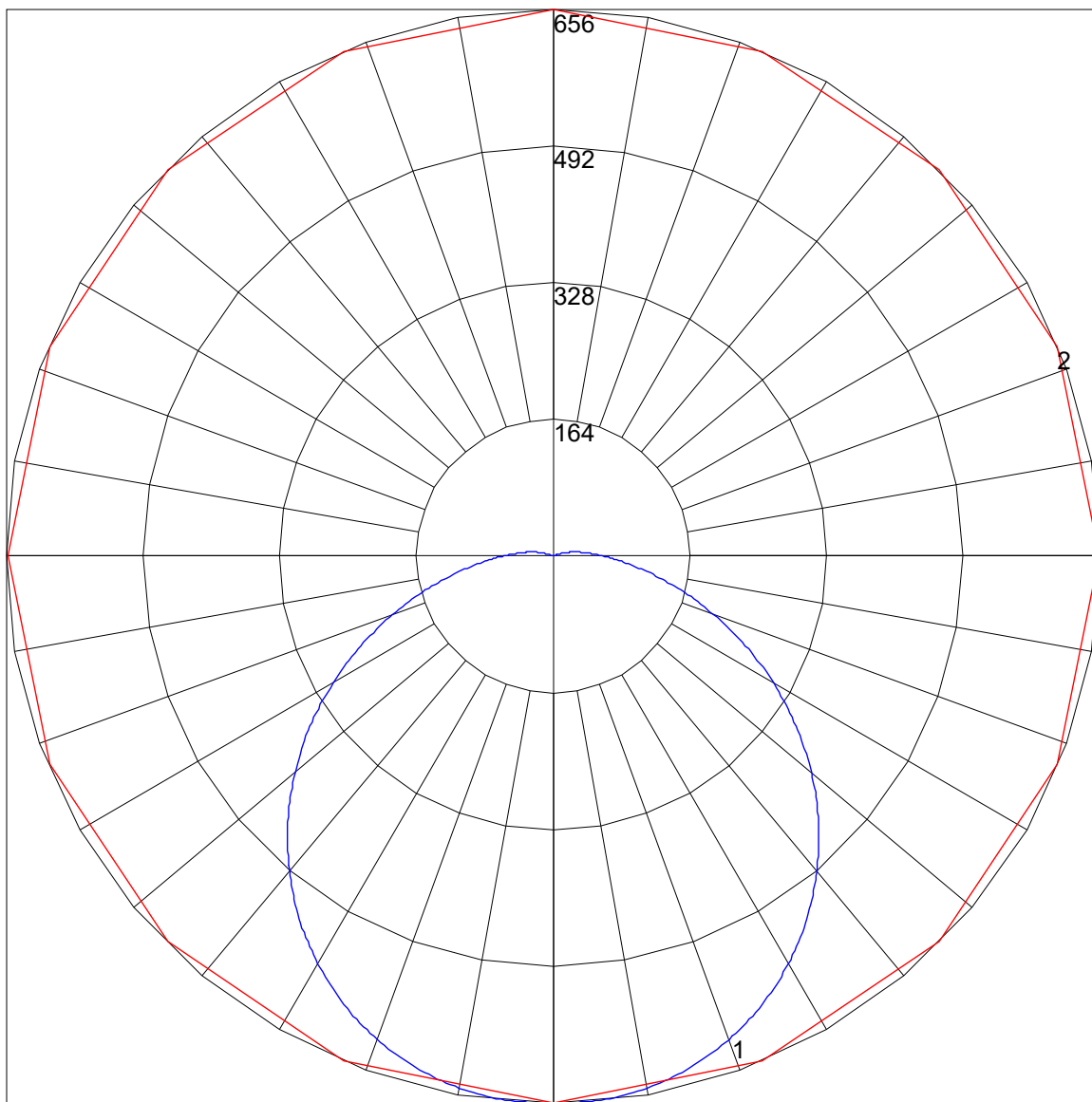
Reflectances

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	17.6	19.3	18.0	19.6	20.0	19.3	20.9	19.7	21.3	21.7
	3H	18.9	20.4	19.3	20.7	21.2	21.3	22.8	21.7	23.1	23.5
	4H	19.3	20.7	19.7	21.1	21.5	22.1	23.5	22.6	23.9	24.3
	6H	19.5	20.8	20.0	21.2	21.6	22.9	24.2	23.4	24.6	25.0
	8H	19.6	20.8	20.0	21.2	21.7	23.3	24.5	23.7	24.9	25.4
	12H	19.6	20.8	20.1	21.2	21.7	23.6	24.8	24.1	25.2	25.7
4H	2H	18.5	19.9	18.9	20.2	20.7	19.8	21.2	20.2	21.6	22.0
	3H	20.0	21.2	20.4	21.6	22.0	22.0	23.2	22.4	23.6	24.1
	4H	20.5	21.6	21.0	22.0	22.5	23.0	24.1	23.5	24.5	25.0
	6H	20.8	21.8	21.3	22.3	22.8	23.9	24.9	24.4	25.4	25.9
	8H	20.9	21.8	21.4	22.3	22.8	24.4	25.3	24.9	25.7	26.3
	12H	21.0	21.8	21.5	22.3	22.8	24.8	25.6	25.4	26.2	26.7
8H	4H	21.1	21.9	21.5	22.4	22.9	23.2	24.1	23.7	24.6	25.1
	6H	21.6	22.3	22.1	22.8	23.3	24.3	25.1	24.9	25.6	26.1
	8H	21.8	22.4	22.3	22.9	23.5	24.9	25.6	25.5	26.1	26.6
	12H	21.8	22.4	22.4	23.0	23.6	25.5	26.1	26.1	26.6	27.2
12H	4H	21.2	22.0	21.7	22.5	23.0	23.2	24.0	23.7	24.5	25.1
	6H	21.8	22.5	22.4	22.9	23.5	24.4	25.1	25.0	25.6	26.1
	8H	22.0	22.6	22.6	23.1	23.7	25.0	25.6	25.6	26.1	26.7

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 656.432 Located At Horizontal Angle = 90, Vertical Angle = 1.5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)