



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SEL15 UV 935 @270MA.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 SEL15 UV 935

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

[MORE] no enclosure.

[LAMPCAT] One LS3872A 28 LED board, 3500K

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 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	1851
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	12.6
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)	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	8791	8510	8484
55	8613	8232	8064
65	8090	7473	7273
75	6831	5848	5718
85	3763	2598	2436

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	226.47	N.A.	12.20
0-30	484.90	N.A.	26.20
0-40	802.61	N.A.	43.40
0-60	1451.25	N.A.	78.40
0-80	1820.61	N.A.	98.40
0-90	1850.81	N.A.	100.00
10-90	1792.5	N.A.	96.80
20-40	576.13	N.A.	31.10
20-50	913.59	N.A.	49.40
40-70	886.75	N.A.	47.90
60-80	369.35	N.A.	20.00
70-80	131.25	N.A.	7.10
80-90	30.20	N.A.	1.60
90-110	0.17	N.A.	0.00
90-120	0.17	N.A.	0.00
90-130	0.17	N.A.	0.00
90-150	0.17	N.A.	0.00
90-180	0.17	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1850.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.31
10-20	168.17
20-30	258.42
30-40	317.71
40-50	337.45
50-60	311.19
60-70	238.10
70-80	131.25
80-90	30.20
90-100	0.17
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

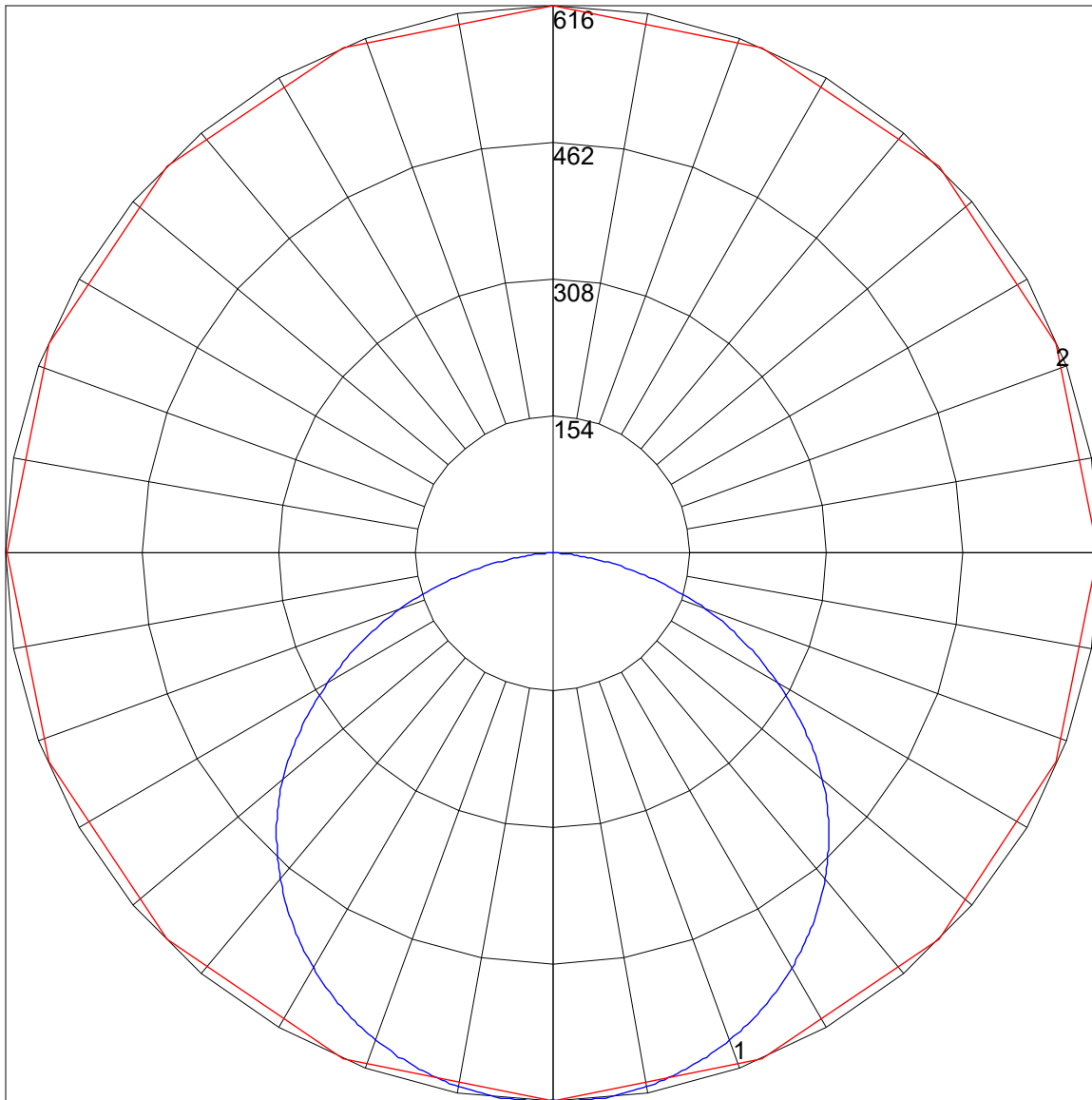
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UGR TABLE - CORRECTED

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	19.5	21.2	19.9	21.5	21.8	19.6	21.3	20.0	21.6	21.9
	3H	21.3	22.8	21.7	23.1	23.5	21.4	22.9	21.8	23.2	23.6
	4H	21.9	23.3	22.3	23.7	24.0	22.0	23.4	22.4	23.8	24.2
	6H	22.3	23.6	22.7	24.0	24.4	22.4	23.7	22.8	24.1	24.5
	8H	22.4	23.6	22.8	24.0	24.4	22.5	23.8	23.0	24.2	24.6
	12H	22.4	23.6	22.8	24.0	24.4	22.6	23.8	23.0	24.2	24.6
4H	2H	20.2	21.6	20.6	21.9	22.3	20.3	21.7	20.7	22.0	22.4
	3H	22.1	23.3	22.5	23.7	24.1	22.2	23.4	22.6	23.8	24.2
	4H	22.9	23.9	23.3	24.3	24.8	22.9	24.0	23.4	24.4	24.9
	6H	23.3	24.3	23.8	24.7	25.2	23.4	24.4	23.9	24.8	25.3
	8H	23.5	24.3	23.9	24.8	25.3	23.6	24.5	24.0	24.9	25.4
	12H	23.5	24.3	24.0	24.8	25.3	23.7	24.4	24.1	24.9	25.4
8H	4H	23.1	24.0	23.6	24.4	24.9	23.2	24.1	23.7	24.5	25.0
	6H	23.7	24.4	24.2	24.9	25.4	23.8	24.5	24.3	25.0	25.5
	8H	23.8	24.5	24.4	25.0	25.5	24.0	24.6	24.5	25.1	25.6
	12H	24.0	24.5	24.5	25.0	25.6	24.1	24.7	24.6	25.2	25.7
12H	4H	23.1	23.9	23.6	24.4	24.9	23.2	24.0	23.7	24.5	24.9
	6H	23.7	24.4	24.2	24.8	25.4	23.8	24.5	24.3	24.9	25.5
	8H	23.9	24.5	24.4	25.0	25.5	24.0	24.6	24.5	25.1	25.7

Maximum UGR = 25.7

POLAR GRAPH



Maximum Candela = 616.096 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.)