



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 ML UV FR 935.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/1/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 4 ML UV FR 935

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,
[MORE] translucent curved plastic enclosure.

[LAMP] 56 white LEDs on two LS3872A LED boards

[BALLAST] One ULT D700C20UNVPW-C LED driver labeled as 480mA

[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	3171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	22.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 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	6681	6432	6426
55	5823	5836	5902
65	4680	5104	5210
75	3397	4362	4411
85	1948	4059	3869

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	394.30	N.A.	12.40
0-30	838.52	N.A.	26.40
0-40	1372.98	N.A.	43.30
0-60	2406.75	N.A.	75.90
0-80	3000.15	N.A.	94.60
0-90	3114.83	N.A.	98.20
10-90	3013.01	N.A.	95.00
20-40	978.68	N.A.	30.90
20-50	1527.09	N.A.	48.20
40-70	1399.17	N.A.	44.10
60-80	593.40	N.A.	18.70
70-80	228.00	N.A.	7.20
80-90	114.68	N.A.	3.60
90-110	56.53	N.A.	1.80
90-120	56.65	N.A.	1.80
90-130	56.65	N.A.	1.80
90-150	56.65	N.A.	1.80
90-180	56.65	N.A.	1.80
110-180	0.11	N.A.	0.00
0-180	3171.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.82
10-20	292.48
20-30	444.22
30-40	534.47
40-50	548.40
50-60	485.36
60-70	365.40
70-80	228.00
80-90	114.68
90-100	45.97
100-110	10.56
110-120	0.11
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	39	51	44	39	49	43	38	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	36	31	42	36	31	41	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	26	36	30	25	35	29	25	23

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UGR TABLE - CORRECTED

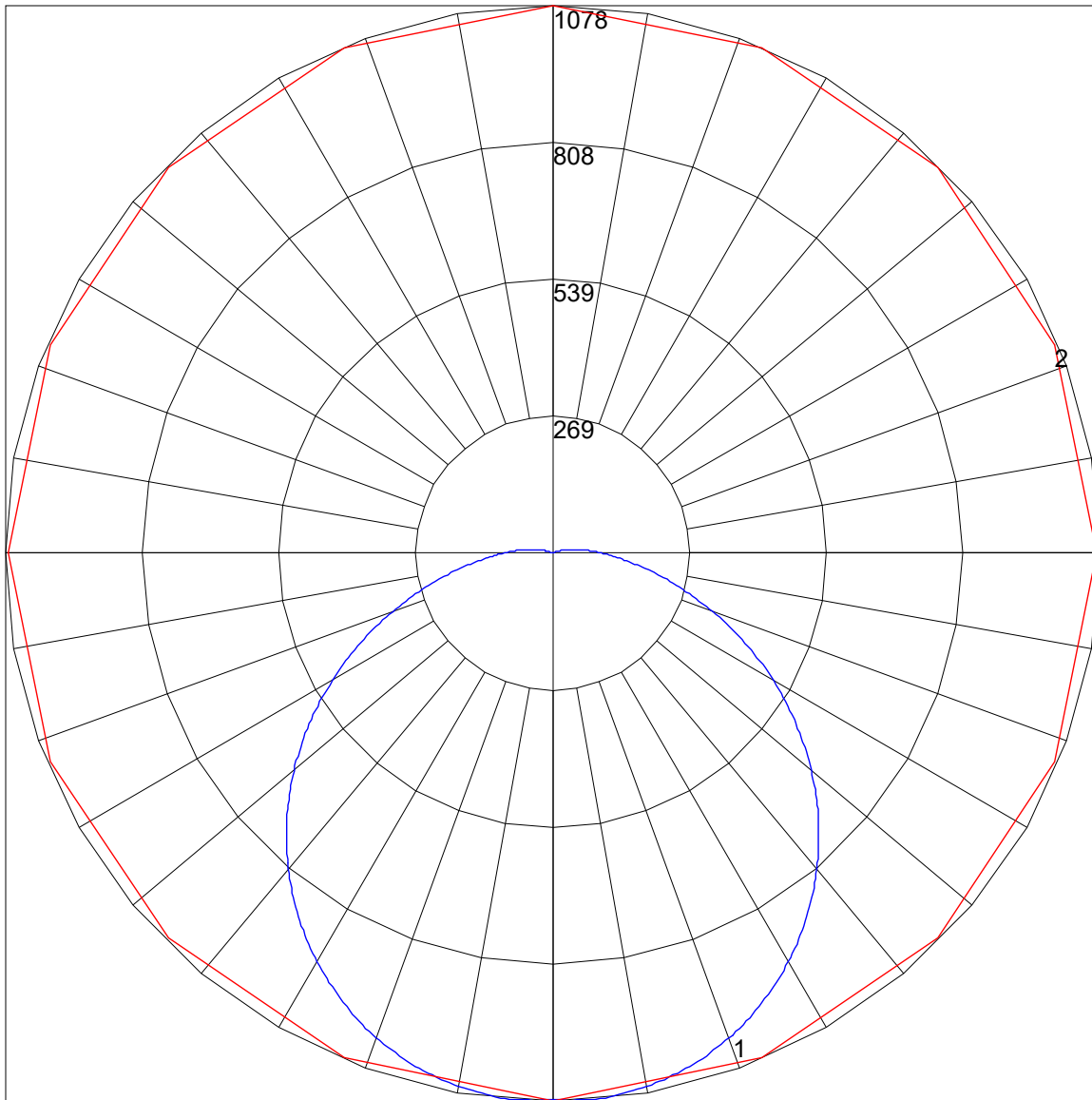
Reflectances

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	17.0	18.6	17.4	19.0	19.3	18.7	20.3	19.1	20.6	21.0
	3H	18.3	19.8	18.7	20.1	20.5	20.7	22.1	21.1	22.5	22.9
	4H	18.7	20.1	19.1	20.5	20.9	21.5	22.9	21.9	23.3	23.7
	6H	18.9	20.2	19.4	20.6	21.0	22.3	23.6	22.7	24.0	24.4
	8H	19.0	20.2	19.4	20.6	21.1	22.7	23.9	23.1	24.3	24.8
	12H	19.0	20.2	19.5	20.6	21.1	23.1	24.2	23.5	24.6	25.1
4H	2H	17.8	19.2	18.3	19.6	20.0	19.1	20.5	19.6	20.9	21.3
	3H	19.4	20.5	19.8	21.0	21.4	21.4	22.5	21.8	23.0	23.4
	4H	19.9	21.0	20.4	21.4	21.9	22.4	23.4	22.8	23.9	24.4
	6H	20.2	21.2	20.7	21.7	22.2	23.3	24.3	23.8	24.7	25.2
	8H	20.3	21.2	20.8	21.7	22.2	23.8	24.7	24.3	25.1	25.6
	12H	20.4	21.2	20.9	21.7	22.2	24.3	25.1	24.8	25.6	26.1
8H	4H	20.5	21.3	20.9	21.8	22.3	22.6	23.5	23.1	23.9	24.5
	6H	21.0	21.7	21.5	22.2	22.8	23.7	24.5	24.2	25.0	25.5
	8H	21.2	21.8	21.7	22.3	22.9	24.3	25.0	24.8	25.5	26.0
	12H	21.3	21.8	21.8	22.4	23.0	24.9	25.5	25.5	26.1	26.7
12H	4H	20.6	21.4	21.1	21.9	22.4	22.6	23.4	23.1	23.9	24.4
	6H	21.2	21.9	21.8	22.4	22.9	23.8	24.4	24.3	24.9	25.5
	8H	21.4	22.0	22.0	22.5	23.2	24.4	25.0	24.9	25.5	26.1

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 1077.727 Located At Horizontal Angle = 90, Vertical Angle = 3.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)