



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 LW UV FR 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-013(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/2/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 2 LW UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 28 white LEDs on one LS3872A LED board

[BALLAST] One ULT D700C20UNVPW-C LED driver labeled as 160mA

[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	1051
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	8.5
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	4360	4247	4286
55	3741	3831	3937
65	2951	3326	3483
75	2096	2812	2963
85	1100	2560	2622

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	130.99	N.A.	12.50
0-30	278.48	N.A.	26.50
0-40	455.77	N.A.	43.40
0-60	797.77	N.A.	75.90
0-80	993.51	N.A.	94.50
0-90	1031.59	N.A.	98.20
10-90	997.75	N.A.	94.90
20-40	324.77	N.A.	30.90
20-50	506.42	N.A.	48.20
40-70	462.46	N.A.	44.00
60-80	195.73	N.A.	18.60
70-80	75.28	N.A.	7.20
80-90	38.08	N.A.	3.60
90-110	19.23	N.A.	1.80
90-120	19.29	N.A.	1.80
90-130	19.29	N.A.	1.80
90-150	19.29	N.A.	1.80
90-180	19.29	N.A.	1.80
110-180	0.06	N.A.	0.00
0-180	1050.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.84
10-20	97.15
20-30	147.49
30-40	177.28
40-50	181.65
50-60	160.36
60-70	120.45
70-80	75.28
80-90	38.08
90-100	15.51
100-110	3.72
110-120	0.06
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

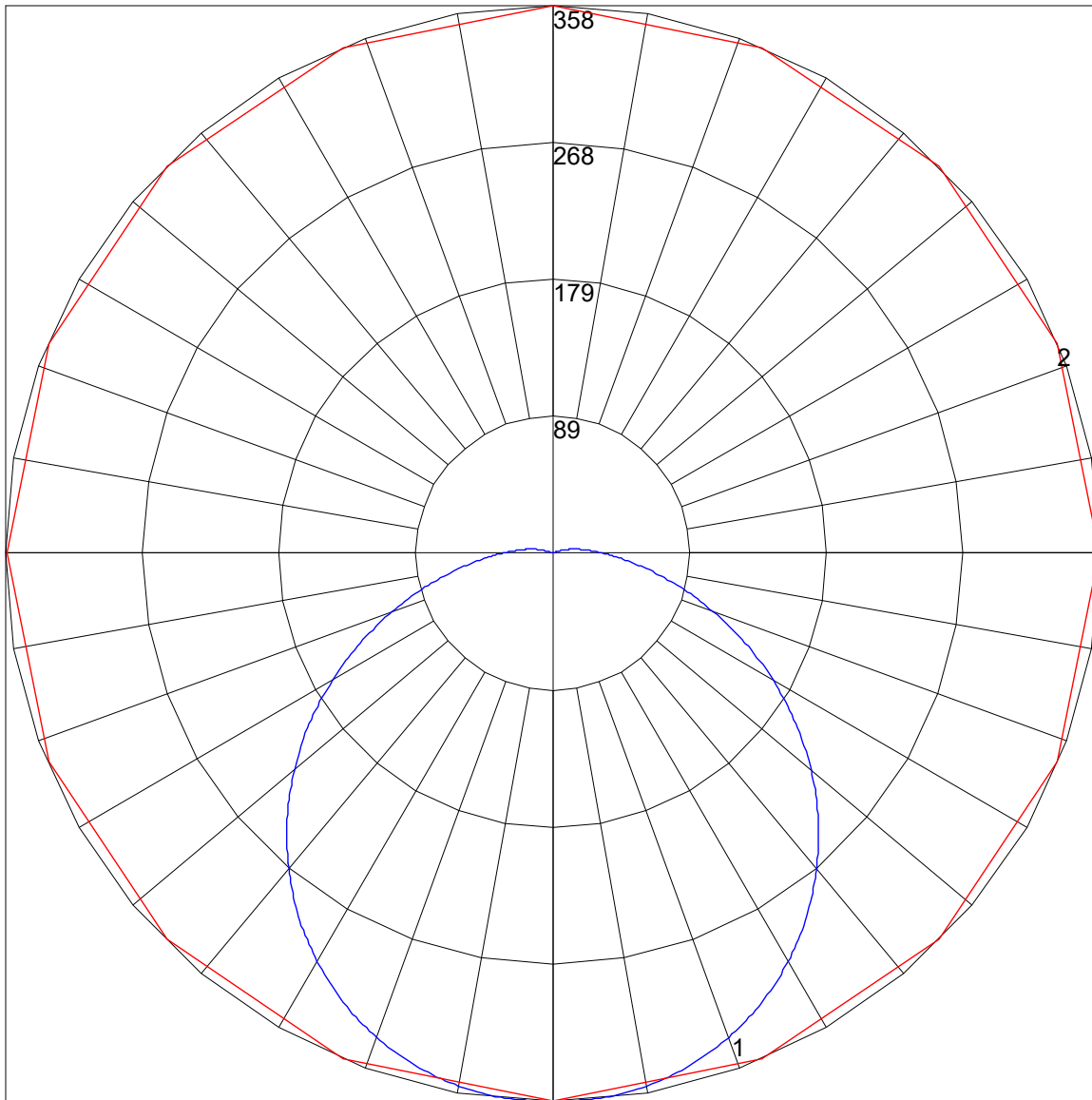
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	15.5	17.2	15.9	17.5	17.9	17.2	18.8	17.6	19.2	19.6
	3H	16.8	18.3	17.2	18.6	19.1	19.2	20.7	19.6	21.0	21.4
	4H	17.2	18.6	17.6	19.0	19.4	20.0	21.4	20.5	21.8	22.2
	6H	17.4	18.7	17.9	19.1	19.5	20.8	22.1	21.3	22.5	22.9
	8H	17.5	18.7	17.9	19.1	19.6	21.2	22.4	21.6	22.8	23.3
	12H	17.5	18.7	18.0	19.1	19.6	21.5	22.7	22.0	23.1	23.6
4H	2H	16.4	17.8	16.8	18.1	18.6	17.7	19.1	18.1	19.5	19.9
	3H	17.9	19.1	18.3	19.5	19.9	19.9	21.1	20.3	21.5	22.0
	4H	18.4	19.5	18.9	19.9	20.4	20.9	22.0	21.4	22.4	22.9
	6H	18.7	19.7	19.2	20.2	20.7	21.8	22.8	22.3	23.3	23.8
	8H	18.8	19.7	19.3	20.2	20.7	22.3	23.2	22.8	23.6	24.2
	12H	18.9	19.7	19.4	20.2	20.7	22.7	23.5	23.3	24.1	24.6
8H	4H	19.0	19.8	19.4	20.3	20.8	21.1	22.0	21.6	22.5	23.0
	6H	19.5	20.2	20.0	20.7	21.2	22.2	23.0	22.8	23.5	24.0
	8H	19.7	20.3	20.2	20.8	21.4	22.8	23.5	23.4	24.0	24.5
	12H	19.7	20.3	20.3	20.9	21.5	23.4	24.0	24.0	24.5	25.1
12H	4H	19.1	19.9	19.6	20.4	20.9	21.1	21.9	21.6	22.4	23.0
	6H	19.7	20.4	20.3	20.8	21.4	22.3	23.0	22.9	23.5	24.0
	8H	19.9	20.5	20.5	21.0	21.6	22.9	23.5	23.5	24.0	24.6

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 357.819 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.)