



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 SH UV FR 940.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 SH UV FR 940

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

[LAMP] 64 white LEDs on one LS3872A LED board

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 710mA

[OTHER] 120.0Vac, 60.00Hz, 0.3144A, 37.26W, 0.987PF, 5.1%THD(i)

[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	5219
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	37.257
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	21651	21091	21287
55	18581	19027	19553
65	14656	16516	17296
75	10407	13966	14715
85	5463	12715	13022

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	650.53	N.A.	12.50
0-30	1383.00	N.A.	26.50
0-40	2263.42	N.A.	43.40
0-60	3961.89	N.A.	75.90
0-80	4933.95	N.A.	94.50
0-90	5123.07	N.A.	98.20
10-90	4955.01	N.A.	94.90
20-40	1612.89	N.A.	30.90
20-50	2514.98	N.A.	48.20
40-70	2296.66	N.A.	44.00
60-80	972.06	N.A.	18.60
70-80	373.87	N.A.	7.20
80-90	189.12	N.A.	3.60
90-110	95.50	N.A.	1.80
90-120	95.78	N.A.	1.80
90-130	95.78	N.A.	1.80
90-150	95.78	N.A.	1.80
90-180	95.78	N.A.	1.80
110-180	0.28	N.A.	0.00
0-180	5218.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.06
10-20	482.47
20-30	732.47
30-40	880.42
40-50	902.09
50-60	796.38
60-70	598.19
70-80	373.87
80-90	189.12
90-100	77.02
100-110	18.48
110-120	0.28
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

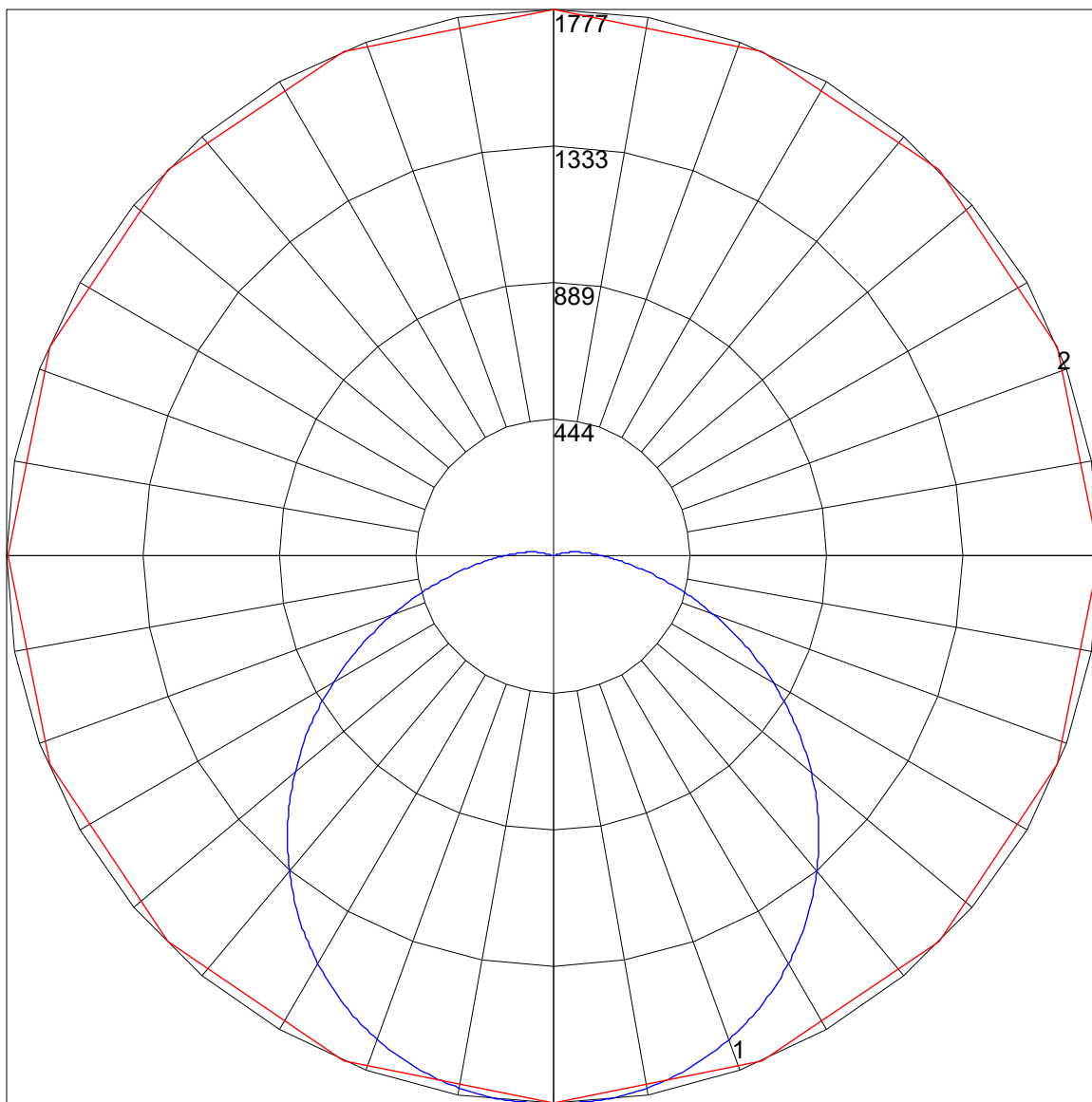
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UGR TABLE - CORRECTED

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	21.0	22.6	21.4	23.0	23.4	22.7	24.3	23.1	24.7	25.1
	3H	22.3	23.8	22.7	24.1	24.5	24.7	26.2	25.1	26.5	26.9
	4H	22.7	24.1	23.1	24.5	24.9	25.5	26.9	26.0	27.3	27.7
	6H	22.9	24.2	23.4	24.6	25.0	26.3	27.6	26.8	28.0	28.4
	8H	23.0	24.2	23.4	24.6	25.1	26.7	27.9	27.1	28.3	28.8
	12H	23.0	24.2	23.5	24.6	25.1	27.0	28.2	27.5	28.6	29.1
4H	2H	21.9	23.2	22.3	23.6	24.1	23.2	24.6	23.6	25.0	25.4
	3H	23.4	24.6	23.8	25.0	25.4	25.4	26.6	25.8	27.0	27.5
	4H	23.9	25.0	24.4	25.4	25.9	26.4	27.5	26.9	27.9	28.4
	6H	24.2	25.2	24.7	25.7	26.2	27.3	28.3	27.8	28.8	29.3
	8H	24.3	25.2	24.8	25.7	26.2	27.8	28.7	28.3	29.1	29.6
	12H	24.4	25.2	24.9	25.7	26.2	28.2	29.0	28.8	29.6	30.1
8H	4H	24.5	25.3	24.9	25.8	26.3	26.6	27.5	27.1	28.0	28.5
	6H	25.0	25.7	25.5	26.2	26.7	27.7	28.5	28.3	29.0	29.5
	8H	25.1	25.8	25.7	26.3	26.9	28.3	29.0	28.9	29.5	30.0
	12H	25.2	25.8	25.8	26.4	27.0	28.9	29.5	29.5	30.0	30.6
12H	4H	24.6	25.4	25.1	25.9	26.4	26.6	27.4	27.1	27.9	28.4
	6H	25.2	25.9	25.7	26.3	26.9	27.8	28.5	28.4	29.0	29.5
	8H	25.4	26.0	26.0	26.5	27.1	28.4	29.0	29.0	29.5	30.1

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 1777 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.)