



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 6 MH UV FR 940.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 6 MH UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMP] 144 white LEDs on three LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 1020mA

[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	7906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	51.6
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)	6.00 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	11161	10724	10679
55	9749	9743	9808
65	7864	8535	8658
75	5752	7317	7330
85	3412	6863	6430

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	982.96	N.A.	12.40
0-30	2090.37	N.A.	26.40
0-40	3422.77	N.A.	43.30
0-60	5999.89	N.A.	75.90
0-80	7479.21	N.A.	94.60
0-90	7765.1	N.A.	98.20
10-90	7511.28	N.A.	95.00
20-40	2439.81	N.A.	30.90
20-50	3806.95	N.A.	48.20
40-70	3488.05	N.A.	44.10
60-80	1479.32	N.A.	18.70
70-80	568.39	N.A.	7.20
80-90	285.89	N.A.	3.60
90-110	140.93	N.A.	1.80
90-120	141.21	N.A.	1.80
90-130	141.21	N.A.	1.80
90-150	141.21	N.A.	1.80
90-180	141.21	N.A.	1.80
110-180	0.29	N.A.	0.00
0-180	7906.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.82
10-20	729.14
20-30	1107.41
30-40	1332.4
40-50	1367.14
50-60	1209.98
60-70	910.93
70-80	568.39
80-90	285.89
90-100	114.60
100-110	26.33
110-120	0.29
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	25	36	30	25	35	29	25	23

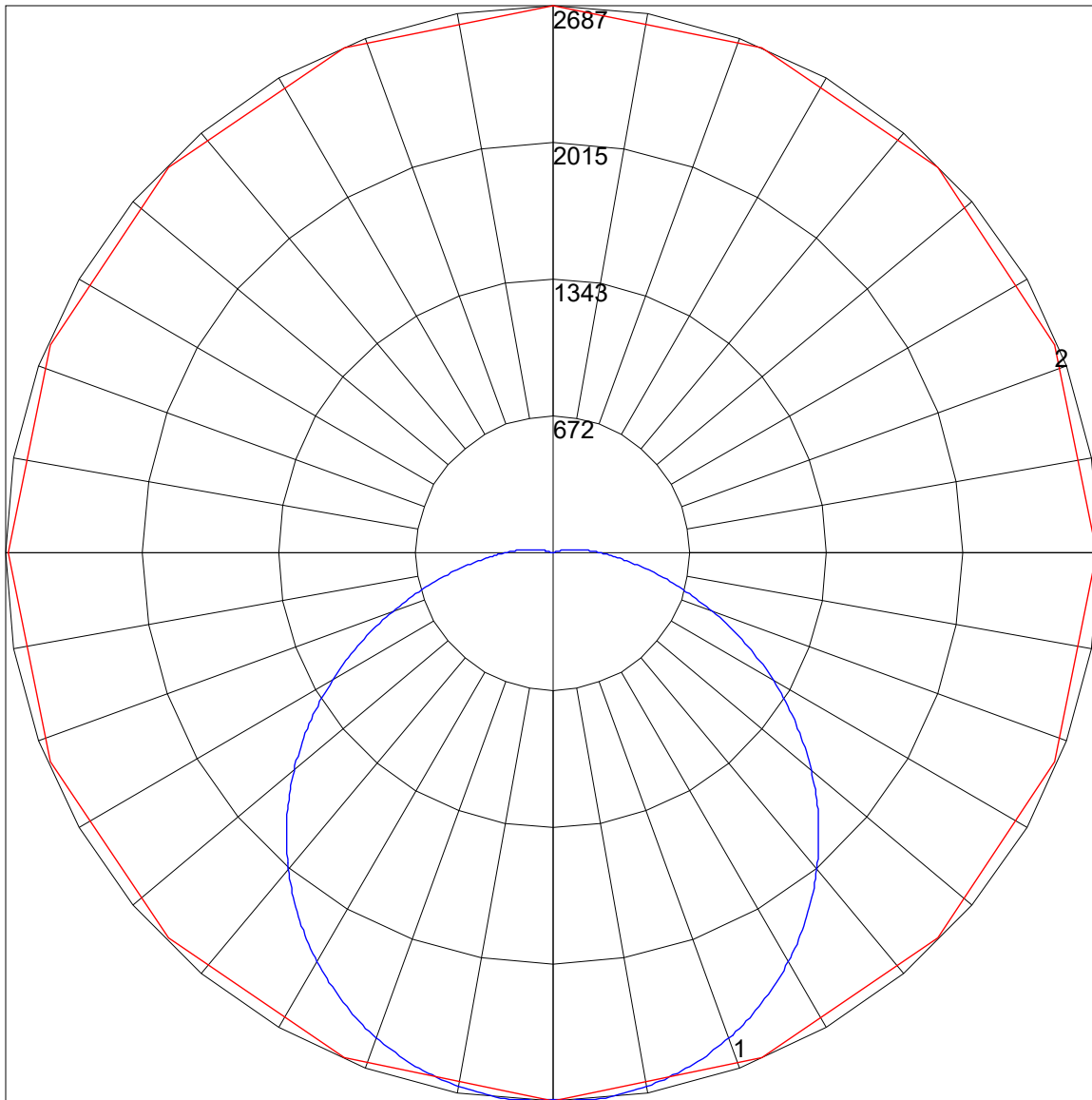
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UGR TABLE - CORRECTED

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	18.8	20.4	19.2	20.8	21.1	20.5	22.1	20.9	22.5	22.8
	3H	20.1	21.6	20.5	21.9	22.3	22.5	23.9	22.9	24.3	24.7
	4H	20.5	21.9	20.9	22.3	22.7	23.3	24.7	23.8	25.1	25.5
	6H	20.7	22.0	21.2	22.4	22.8	24.1	25.4	24.6	25.8	26.3
	8H	20.8	22.0	21.2	22.4	22.9	24.5	25.7	25.0	26.2	26.6
	12H	20.8	22.0	21.3	22.4	22.9	24.9	26.1	25.4	26.5	27.0
4H	2H	19.6	21.0	20.1	21.4	21.8	21.0	22.3	21.4	22.7	23.2
	3H	21.2	22.3	21.6	22.8	23.2	23.2	24.3	23.6	24.8	25.2
	4H	21.7	22.8	22.2	23.2	23.7	24.2	25.2	24.7	25.7	26.2
	6H	22.1	23.0	22.5	23.5	24.0	25.2	26.1	25.6	26.6	27.1
	8H	22.1	23.0	22.6	23.5	24.0	25.6	26.5	26.1	27.0	27.5
	12H	22.2	23.0	22.7	23.5	24.0	26.1	26.9	26.6	27.4	27.9
8H	4H	22.3	23.1	22.8	23.6	24.1	24.4	25.3	24.9	25.8	26.3
	6H	22.8	23.5	23.3	24.0	24.6	25.6	26.3	26.1	26.8	27.3
	8H	23.0	23.6	23.5	24.2	24.7	26.2	26.8	26.7	27.3	27.9
	12H	23.1	23.7	23.6	24.2	24.8	26.8	27.4	27.3	27.9	28.5
12H	4H	22.4	23.2	22.9	23.7	24.2	24.4	25.2	24.9	25.7	26.2
	6H	23.0	23.7	23.6	24.2	24.7	25.6	26.3	26.2	26.8	27.4
	8H	23.2	23.8	23.8	24.4	25.0	26.3	26.8	26.8	27.4	28.0

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 2686.714 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.)