



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 2 VH 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 VH 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

[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	4170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	29.1
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	17300	16852	17009
55	14847	15203	15624
65	11711	13197	13820
75	8316	11159	11758
85	4366	10160	10405

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	519.80	N.A.	12.50
0-30	1105.07	N.A.	26.50
0-40	1808.57	N.A.	43.40
0-60	3165.72	N.A.	75.90
0-80	3942.43	N.A.	94.50
0-90	4093.55	N.A.	98.20
10-90	3959.26	N.A.	94.90
20-40	1288.77	N.A.	30.90
20-50	2009.57	N.A.	48.20
40-70	1835.13	N.A.	44.00
60-80	776.71	N.A.	18.60
70-80	298.74	N.A.	7.20
80-90	151.12	N.A.	3.60
90-110	76.31	N.A.	1.80
90-120	76.54	N.A.	1.80
90-130	76.54	N.A.	1.80
90-150	76.54	N.A.	1.80
90-180	76.54	N.A.	1.80
110-180	0.23	N.A.	0.00
0-180	4170.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.29
10-20	385.52
20-30	585.27
30-40	703.49
40-50	720.81
50-60	636.34
60-70	477.98
70-80	298.74
80-90	151.12
90-100	61.54
100-110	14.77
110-120	0.23
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	43	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

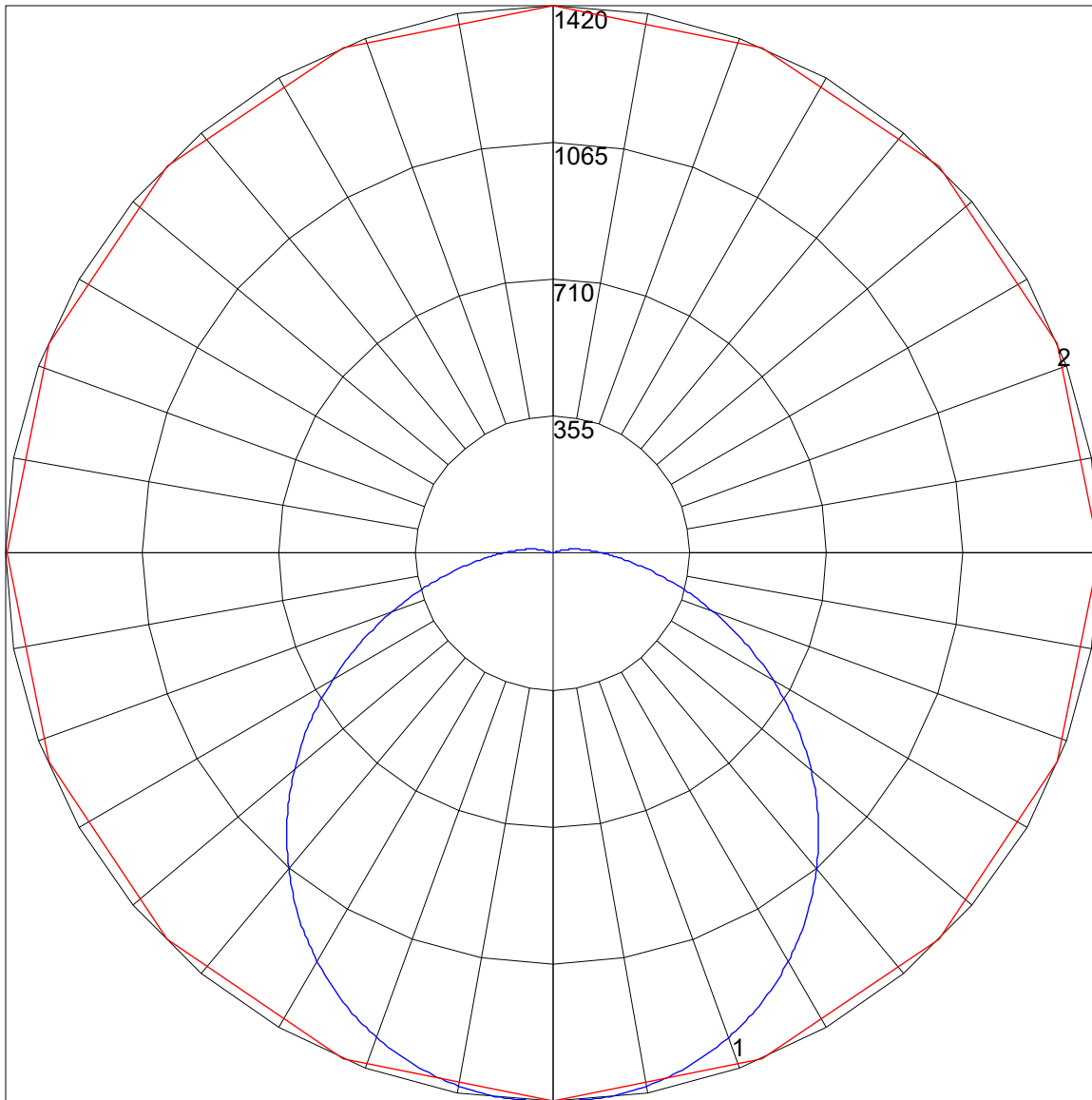
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UGR TABLE - CORRECTED

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	20.3	21.9	20.7	22.3	22.7	22.0	23.6	22.4	24.0	24.4
	3H	21.6	23.1	22.0	23.4	23.8	24.0	25.5	24.4	25.8	26.2
	4H	22.0	23.4	22.4	23.8	24.2	24.8	26.2	25.3	26.6	27.0
	6H	22.2	23.5	22.7	23.9	24.3	25.6	26.9	26.1	27.3	27.7
	8H	22.3	23.5	22.7	23.9	24.4	26.0	27.2	26.4	27.6	28.1
	12H	22.3	23.5	22.8	23.9	24.4	26.3	27.5	26.8	27.9	28.4
4H	2H	21.2	22.5	21.6	22.9	23.4	22.5	23.9	22.9	24.3	24.7
	3H	22.7	23.9	23.1	24.3	24.7	24.7	25.9	25.1	26.3	26.8
	4H	23.2	24.3	23.7	24.7	25.2	25.7	26.8	26.2	27.2	27.7
	6H	23.5	24.5	24.0	25.0	25.5	26.6	27.6	27.1	28.1	28.6
	8H	23.6	24.5	24.1	25.0	25.5	27.1	28.0	27.6	28.4	28.9
	12H	23.7	24.5	24.2	25.0	25.5	27.5	28.3	28.1	28.9	29.4
8H	4H	23.8	24.6	24.2	25.1	25.6	25.9	26.8	26.4	27.3	27.8
	6H	24.3	25.0	24.8	25.5	26.0	27.0	27.8	27.6	28.3	28.8
	8H	24.4	25.1	25.0	25.6	26.2	27.6	28.3	28.2	28.8	29.3
	12H	24.5	25.1	25.1	25.7	26.3	28.2	28.8	28.8	29.3	29.9
12H	4H	23.9	24.7	24.4	25.2	25.7	25.9	26.7	26.4	27.2	27.7
	6H	24.5	25.2	25.0	25.6	26.2	27.1	27.8	27.7	28.3	28.8
	8H	24.7	25.3	25.3	25.8	26.4	27.7	28.3	28.3	28.8	29.4

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 1419.898 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.)