



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 22 MD UV FA 940.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-024 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/25/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 22 MD UV FA 940

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflector,

[MORE] frosted linear ribbed plastic enclosure.

[LAMP] 84 white LEDs, one LS3872A10_4000_90R 4000K LED board

[BALLAST] One ULT D10CC30UNVPW-C LED driver programmed at 760mA

[OTHER] 120.0Vac, 60.01Hz

[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	4726
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	34.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.85 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4329	4672	5014
55	3985	4520	5086
65	3585	4445	5390
75	3017	4480	5904
85	2010	3814	5263

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	603.83	N.A.	12.80
0-30	1272.36	N.A.	26.90
0-40	2066.33	N.A.	43.70
0-60	3624.18	N.A.	76.70
0-80	4610.52	N.A.	97.60
0-90	4725.95	N.A.	100.00
10-90	4568.9	N.A.	96.70
20-40	1462.5	N.A.	30.90
20-50	2277.57	N.A.	48.20
40-70	2154.86	N.A.	45.60
60-80	986.34	N.A.	20.90
70-80	389.34	N.A.	8.20
80-90	115.43	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4725.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.06
10-20	446.78
20-30	668.53
30-40	793.97
40-50	815.08
50-60	742.78
60-70	597.00
70-80	389.34
80-90	115.43
90-100	0.00
100-110	0.00
110-120	0.00
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	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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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

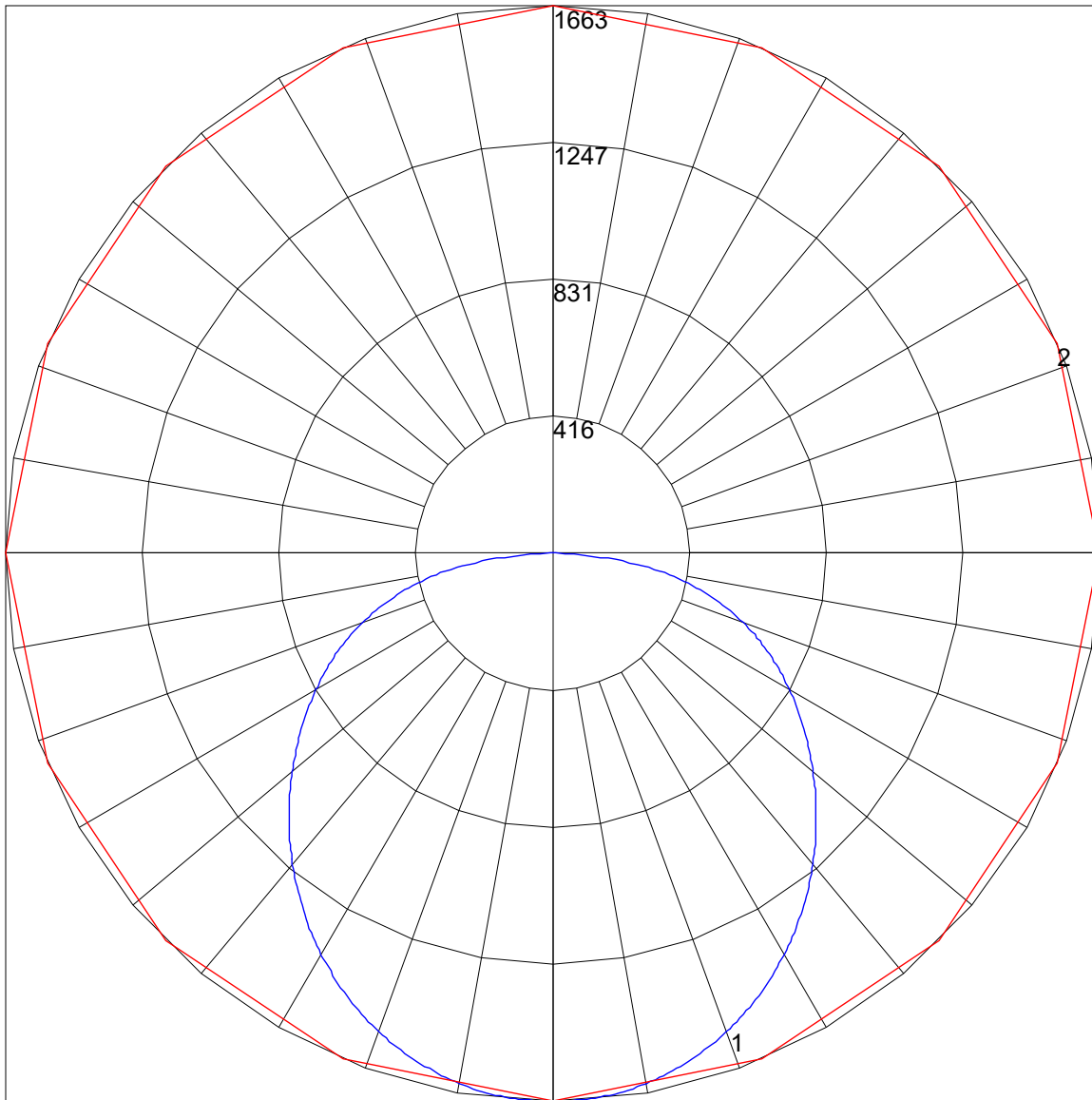
Room Size UGR Viewed Crosswise

UGR Viewed Endwise

X=2H	Y=2H	16.6	18.2	16.9	18.5	18.9	18.0	19.7	18.4	20.0	20.3
	3H	18.3	19.8	18.7	20.1	20.5	20.4	21.9	20.8	22.2	22.6
	4H	18.9	20.4	19.3	20.7	21.1	21.4	22.9	21.8	23.2	23.6
	6H	19.4	20.7	19.8	21.1	21.4	22.3	23.7	22.8	24.0	24.4
	8H	19.5	20.8	19.9	21.1	21.5	22.7	24.0	23.1	24.4	24.7
	12H	19.6	20.8	20.0	21.2	21.6	22.9	24.1	23.4	24.5	24.9
4H	2H	17.5	18.9	17.8	19.2	19.6	18.6	20.0	19.0	20.4	20.7
	3H	19.4	20.6	19.8	21.0	21.4	21.2	22.4	21.6	22.8	23.2
	4H	20.2	21.3	20.6	21.7	22.1	22.4	23.5	22.8	23.9	24.4
	6H	20.8	21.7	21.2	22.1	22.6	23.5	24.5	24.0	24.9	25.4
	8H	20.9	21.8	21.4	22.3	22.7	23.9	24.8	24.4	25.3	25.7
	12H	21.0	21.8	21.5	22.3	22.8	24.2	25.0	24.7	25.5	26.0
8H	4H	20.8	21.7	21.2	22.1	22.6	22.7	23.6	23.2	24.0	24.5
	6H	21.5	22.3	22.0	22.7	23.2	24.0	24.7	24.5	25.2	25.7
	8H	21.7	22.4	22.2	22.9	23.4	24.5	25.2	25.0	25.7	26.2
	12H	21.9	22.5	22.4	23.0	23.6	24.9	25.5	25.4	26.0	26.5
12H	4H	20.9	21.7	21.4	22.2	22.7	22.7	23.5	23.2	24.0	24.5
	6H	21.7	22.4	22.2	22.8	23.4	24.0	24.7	24.5	25.2	25.7
	8H	22.0	22.6	22.5	23.1	23.6	24.6	25.2	25.1	25.7	26.2

Maximum UGR = 26.5

POLAR GRAPH



Maximum Candela = 1662.948 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)