



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 14 MD UV FA 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-027 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/28/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 14 MD UV FA 935

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

[MORE] frosted linear ribbed plastic enclosure.

[LAMP] 96 white LEDs, two LS3873A7\_3500\_90R 3500K LED boards

[BALLAST] One ULT D10CC30UNVPW-C LED driver programmed at 660mA

[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	4793
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	33.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 ft
Luminous Width (90-270)	0.85 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4841	5142	5414
55	4499	4939	5320
65	4077	4668	5092
75	3424	4107	4368
85	2177	1998	895

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	630.10	N.A.	13.10
0-30	1330.72	N.A.	27.80
0-40	2165.91	N.A.	45.20
0-60	3796.4	N.A.	79.20
0-80	4724.14	N.A.	98.60
0-90	4792.96	N.A.	100.00
10-90	4629.32	N.A.	96.60
20-40	1535.81	N.A.	32.00
20-50	2393.57	N.A.	49.90
40-70	2222.37	N.A.	46.40
60-80	927.73	N.A.	19.40
70-80	335.86	N.A.	7.00
80-90	68.82	N.A.	1.40
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	4792.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	163.64
10-20	466.46
20-30	700.63
30-40	835.18
40-50	857.76
50-60	772.74
60-70	591.87
70-80	335.86
80-90	68.82
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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

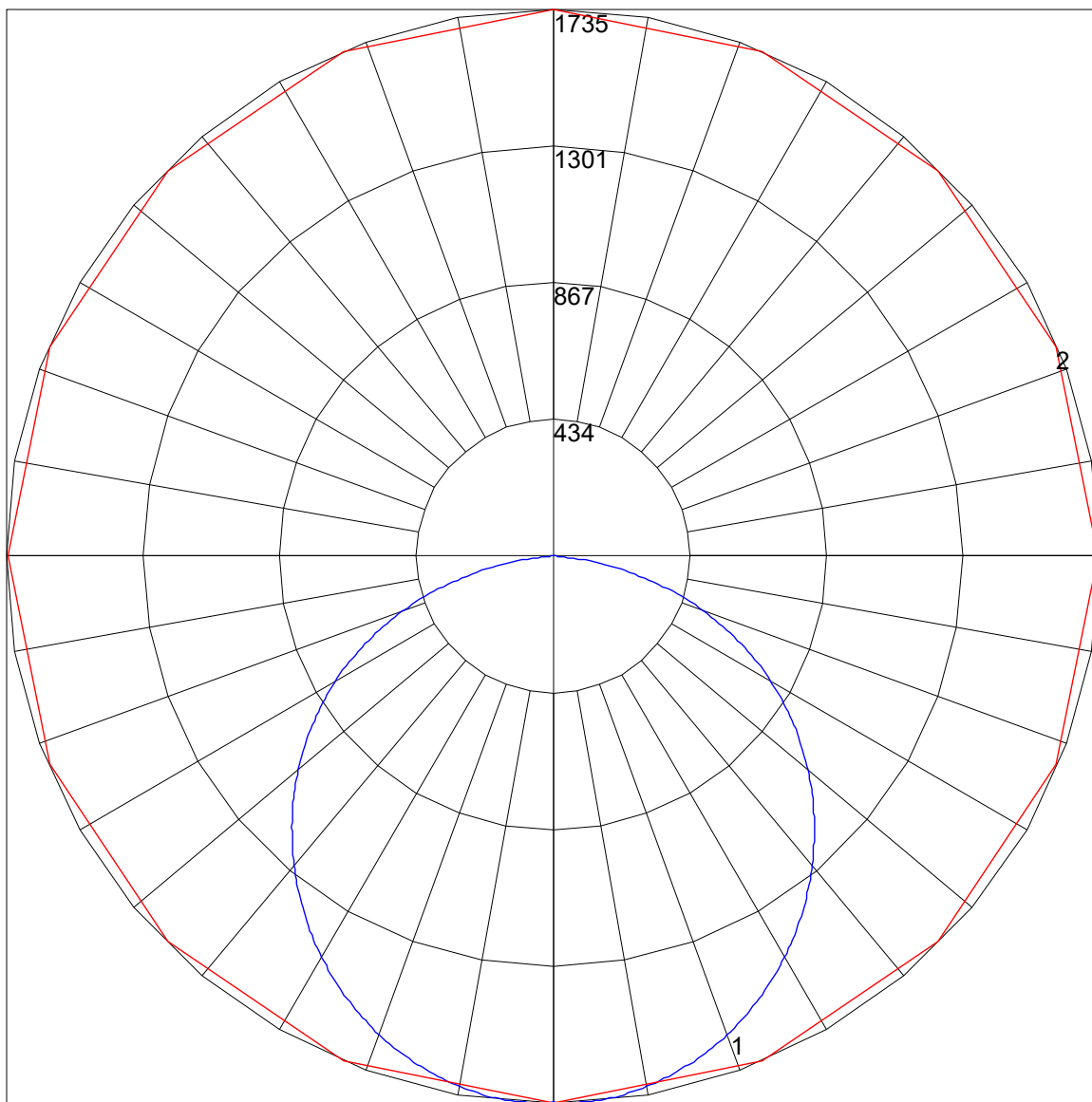
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**UGR TABLE - CORRECTED**

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	17.2	18.8	17.5	19.1	19.4	18.1	19.8	18.5	20.1	20.4
	3H	18.9	20.4	19.3	20.7	21.1	20.0	21.5	20.4	21.8	22.2
	4H	19.5	20.9	19.9	21.2	21.6	20.7	22.1	21.1	22.4	22.8
	6H	19.9	21.2	20.3	21.6	22.0	21.1	22.4	21.5	22.8	23.2
	8H	20.1	21.3	20.5	21.7	22.1	21.2	22.5	21.7	22.8	23.2
	12H	20.1	21.3	20.5	21.7	22.1	21.2	22.4	21.6	22.8	23.2
4H	2H	17.9	19.3	18.3	19.7	20.0	18.7	20.1	19.1	20.4	20.8
	3H	19.9	21.0	20.3	21.4	21.8	20.8	22.0	21.2	22.4	22.8
	4H	20.6	21.7	21.1	22.1	22.5	21.6	22.7	22.1	23.1	23.5
	6H	21.2	22.1	21.6	22.5	23.0	22.2	23.1	22.6	23.5	24.0
	8H	21.3	22.2	21.8	22.6	23.1	22.3	23.2	22.8	23.6	24.1
	12H	21.4	22.2	21.9	22.7	23.1	22.3	23.1	22.8	23.6	24.0
8H	4H	21.0	21.9	21.5	22.3	22.8	21.9	22.8	22.3	23.2	23.7
	6H	21.7	22.4	22.2	22.9	23.4	22.5	23.3	23.0	23.8	24.2
	8H	21.9	22.5	22.4	23.0	23.5	22.7	23.4	23.2	23.9	24.4
	12H	22.1	22.6	22.6	23.1	23.7	22.8	23.3	23.3	23.8	24.4
12H	4H	21.1	21.8	21.5	22.3	22.8	21.9	22.7	22.4	23.2	23.6
	6H	21.8	22.4	22.3	22.9	23.4	22.6	23.2	23.1	23.7	24.2
	8H	22.0	22.6	22.5	23.1	23.6	22.8	23.4	23.3	23.9	24.4

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 1734.831 Located At Horizontal Angle = 90, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)