



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 14 LW 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 LW 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 540mA

[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	3939
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	27.9
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	3978	4226	4449
55	3698	4059	4372
65	3351	3836	4185
75	2814	3375	3590
85	1789	1642	735

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FFL G2 14 LW UV FA 935.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	517.82	N.A.	13.10
0-30	1093.6	N.A.	27.80
0-40	1779.96	N.A.	45.20
0-60	3119.92	N.A.	79.20
0-80	3882.34	N.A.	98.60
0-90	3938.9	N.A.	100.00
10-90	3804.42	N.A.	96.60
20-40	1262.14	N.A.	32.00
20-50	1967.06	N.A.	49.90
40-70	1826.36	N.A.	46.40
60-80	762.42	N.A.	19.40
70-80	276.01	N.A.	7.00
80-90	56.56	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	3938.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	134.48
10-20	383.34
20-30	575.78
30-40	686.36
40-50	704.92
50-60	635.04
60-70	486.40
70-80	276.01
80-90	56.56
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FFL G2 14 LW UV FA 935.IES**

**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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FFL G2 14 LW UV FA 935.IES**

**UGR TABLE - CORRECTED**

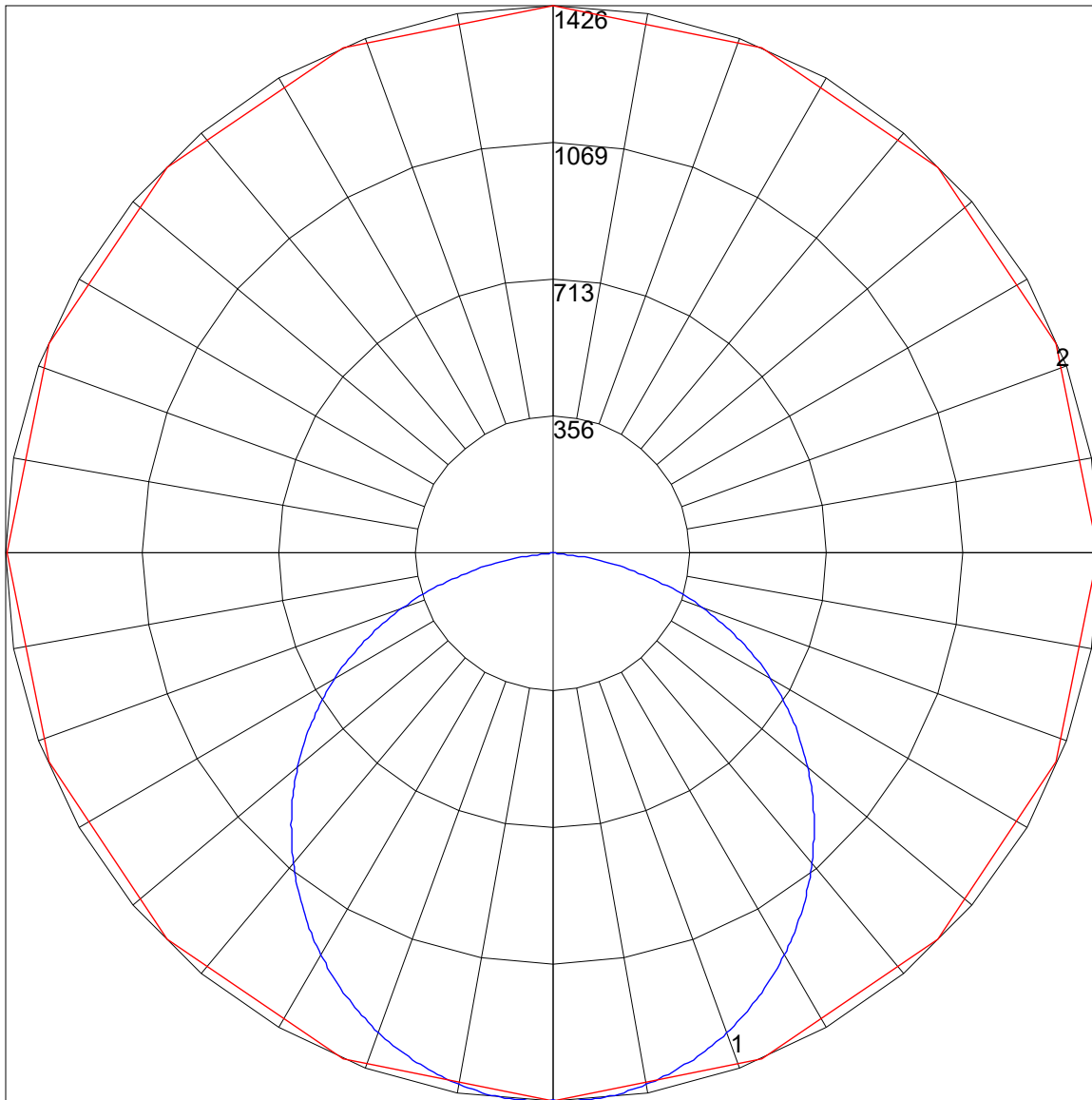
Reflectances

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	18.8	17.5	19.2	17.9	19.5	19.8
	3H	18.3	19.8	18.7	20.1	20.5	19.4	20.9	19.8	21.2	21.6
	4H	18.9	20.3	19.3	20.6	21.0	20.1	21.5	20.5	21.8	22.2
	6H	19.3	20.6	19.7	21.0	21.4	20.5	21.8	20.9	22.2	22.6
	8H	19.5	20.7	19.9	21.1	21.5	20.6	21.9	21.1	22.2	22.6
	12H	19.5	20.7	19.9	21.1	21.5	20.6	21.8	21.0	22.2	22.6
4H	2H	17.3	18.7	17.7	19.1	19.4	18.1	19.5	18.5	19.8	20.2
	3H	19.3	20.4	19.7	20.8	21.2	20.2	21.4	20.6	21.8	22.2
	4H	20.0	21.1	20.5	21.5	21.9	21.0	22.1	21.5	22.5	22.9
	6H	20.6	21.5	21.0	21.9	22.4	21.6	22.5	22.0	22.9	23.4
	8H	20.7	21.6	21.2	22.0	22.5	21.7	22.6	22.2	23.0	23.5
	12H	20.8	21.6	21.3	22.1	22.5	21.7	22.5	22.2	23.0	23.4
8H	4H	20.4	21.3	20.9	21.7	22.2	21.3	22.2	21.7	22.6	23.1
	6H	21.1	21.8	21.6	22.3	22.8	21.9	22.7	22.4	23.2	23.6
	8H	21.3	21.9	21.8	22.4	22.9	22.1	22.8	22.6	23.3	23.8
	12H	21.5	22.0	22.0	22.5	23.1	22.2	22.7	22.7	23.2	23.8
12H	4H	20.5	21.2	20.9	21.7	22.2	21.3	22.1	21.8	22.6	23.0
	6H	21.2	21.8	21.7	22.3	22.8	22.0	22.6	22.5	23.1	23.6
	8H	21.4	22.0	21.9	22.5	23.0	22.2	22.8	22.7	23.3	23.8

Maximum UGR = 23.8

POLAR GRAPH



Maximum Candela = 1425.7 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.)