



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 22 SEL75 UV FA 930 @1200MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-031 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/4/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] FFL G2 2R 22 SEL75 UV FA 930

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflectors,  
[MORE] two frosted linear ribbed plastic enclosures.

[LAMPCAT] Two LS3873A7\_3000\_90R 3000K 64 LED boards

[BALLAST] One KTLD-75-UV-PS1400-54-VDIM-LM2 LED driver set to 1200mA

[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	8117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	60.2
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	7739	8277	8815
55	7143	7910	8707
65	6429	7470	8491
75	5381	6652	7609
85	3431	3725	3333

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1073.34	N.A.	13.20
0-30	2262.01	N.A.	27.90
0-40	3672.48	N.A.	45.20
0-60	6413.37	N.A.	79.00
0-80	7986.33	N.A.	98.40
0-90	8116.83	N.A.	100.00
10-90	7837.72	N.A.	96.60
20-40	2599.14	N.A.	32.00
20-50	4042.48	N.A.	49.80
40-70	3737.98	N.A.	46.10
60-80	1572.96	N.A.	19.40
70-80	575.87	N.A.	7.10
80-90	130.50	N.A.	1.60
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	8116.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	279.11
10-20	794.23
20-30	1188.67
30-40	1410.47
40-50	1443.34
50-60	1297.55
60-70	997.08
70-80	575.87
80-90	130.50
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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	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	33	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	31	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

X=2H	Y=2H	18.8	20.4	19.1	20.7	21.0	19.9	21.5	20.3	21.8	22.2
	3H	20.5	21.9	20.8	22.3	22.6	21.9	23.3	22.2	23.7	24.0
	4H	21.1	22.5	21.5	22.8	23.2	22.6	24.0	23.0	24.3	24.7
	6H	21.5	22.8	21.9	23.2	23.5	23.1	24.4	23.5	24.8	25.2
	8H	21.6	22.8	22.0	23.2	23.6	23.2	24.5	23.7	24.9	25.3
	12H	21.7	22.9	22.1	23.2	23.7	23.3	24.5	23.7	24.8	25.3

### UGR Viewed Endwise

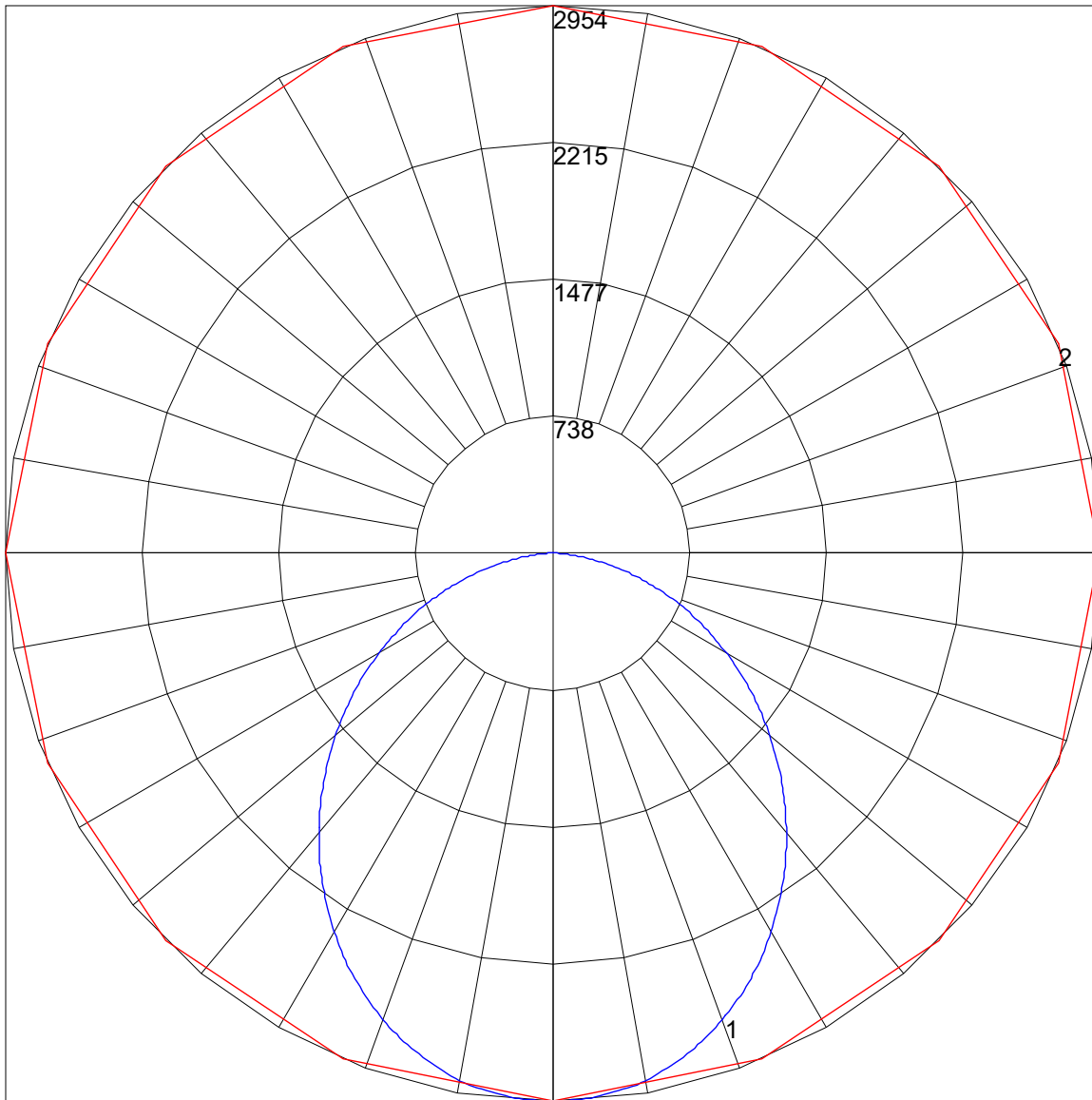
4H	2H	19.5	20.9	19.9	21.3	21.7	20.4	21.8	20.8	22.2	22.5
	3H	21.5	22.6	21.9	23.0	23.4	22.6	23.8	23.1	24.2	24.6
	4H	22.2	23.3	22.6	23.7	24.1	23.5	24.6	23.9	25.0	25.4
	6H	22.7	23.7	23.2	24.1	24.6	24.2	25.1	24.6	25.5	26.0
	8H	22.9	23.8	23.3	24.2	24.7	24.3	25.2	24.8	25.6	26.1
	12H	23.0	23.8	23.5	24.2	24.7	24.4	25.2	24.9	25.6	26.1

8H	4H	22.6	23.5	23.1	23.9	24.4	23.8	24.6	24.2	25.1	25.5
	6H	23.3	24.0	23.8	24.5	25.0	24.5	25.2	25.0	25.7	26.2
	8H	23.5	24.1	24.0	24.6	25.1	24.8	25.4	25.3	25.9	26.4
	12H	23.7	24.2	24.2	24.7	25.3	24.9	25.4	25.4	25.9	26.5

12H	4H	22.7	23.5	23.2	23.9	24.4	23.8	24.6	24.3	25.0	25.5
	6H	23.4	24.0	23.9	24.5	25.0	24.6	25.2	25.1	25.7	26.2
	8H	23.6	24.2	24.1	24.7	25.2	24.8	25.4	25.3	25.9	26.5

Maximum UGR = 26.5

POLAR GRAPH



Maximum Candela = 2953.544 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)