



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 22 SEL25 UV FA 930 @450MA.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 SEL25 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 48 LED boards

[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set to 450mA

[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	3227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	22.5
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	3077	3291	3504
55	2840	3145	3462
65	2556	2970	3376
75	2139	2645	3025
85	1364	1481	1325

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	426.74	N.A.	13.20
0-30	899.32	N.A.	27.90
0-40	1460.09	N.A.	45.20
0-60	2549.81	N.A.	79.00
0-80	3175.18	N.A.	98.40
0-90	3227.07	N.A.	100.00
10-90	3116.1	N.A.	96.60
20-40	1033.36	N.A.	32.00
20-50	1607.2	N.A.	49.80
40-70	1486.13	N.A.	46.10
60-80	625.37	N.A.	19.40
70-80	228.95	N.A.	7.10
80-90	51.89	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	3227.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	110.97
10-20	315.77
20-30	472.59
30-40	560.77
40-50	573.84
50-60	515.88
60-70	396.42
70-80	228.95
80-90	51.89
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

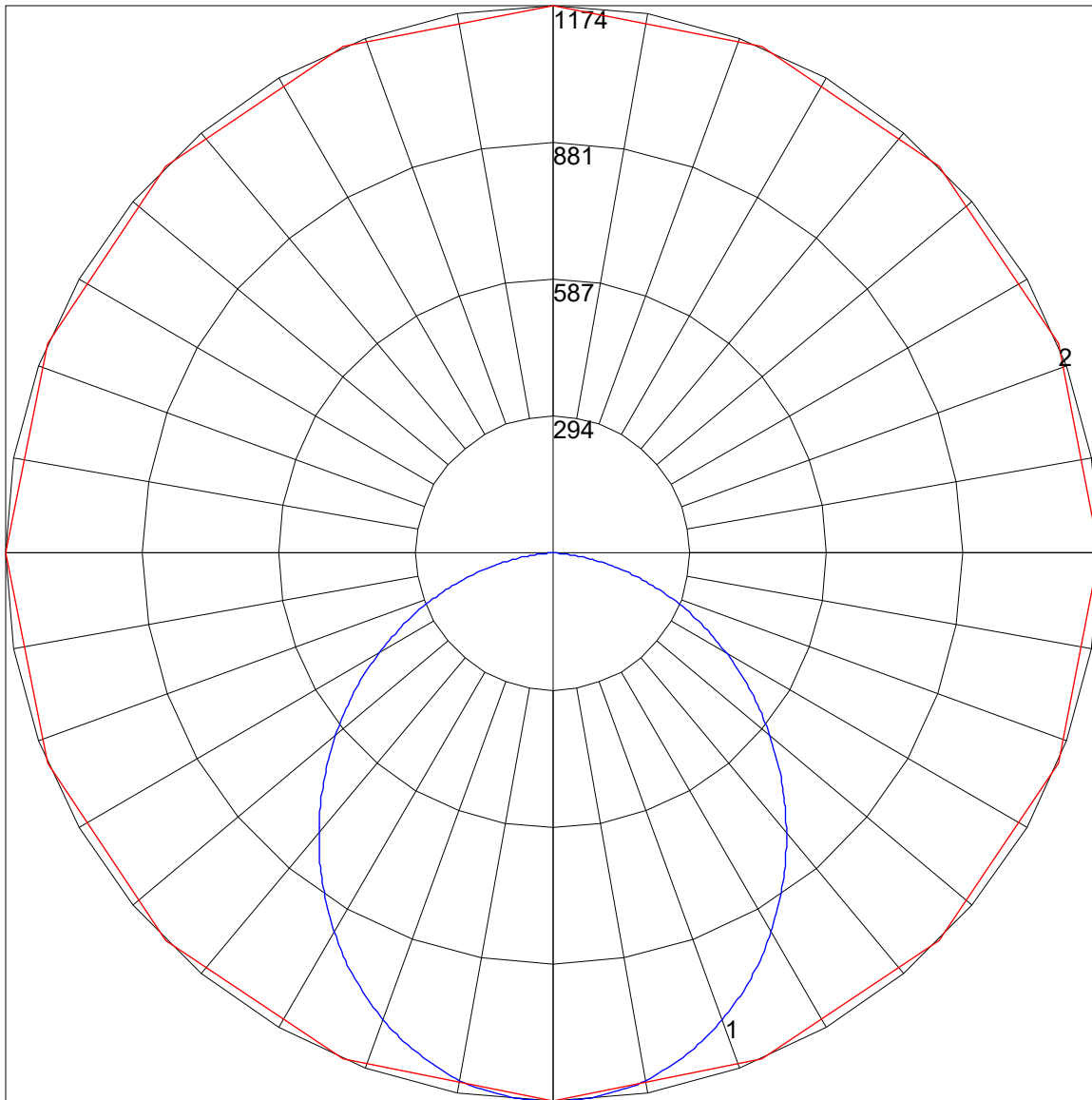
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**UGR TABLE - CORRECTED**

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					UGR Viewed Endwise				
X=2H	Y=2H	15.6	17.2	15.9	17.5	17.8	16.7	18.3	17.1	18.6	18.9
	3H	17.3	18.7	17.6	19.1	19.4	18.7	20.1	19.0	20.5	20.8
	4H	17.9	19.3	18.3	19.6	20.0	19.4	20.8	19.8	21.1	21.5
	6H	18.3	19.6	18.7	20.0	20.3	19.9	21.2	20.3	21.6	22.0
	8H	18.4	19.6	18.8	20.0	20.4	20.0	21.3	20.5	21.7	22.1
	12H	18.5	19.7	18.9	20.0	20.5	20.1	21.3	20.5	21.6	22.1
4H	2H	16.3	17.7	16.7	18.1	18.5	17.2	18.6	17.6	19.0	19.3
	3H	18.3	19.4	18.7	19.8	20.2	19.4	20.6	19.9	21.0	21.4
	4H	19.0	20.1	19.4	20.5	20.9	20.3	21.4	20.7	21.8	22.2
	6H	19.5	20.5	20.0	20.9	21.4	21.0	21.9	21.4	22.3	22.8
	8H	19.7	20.6	20.1	21.0	21.5	21.1	22.0	21.6	22.4	22.9
	12H	19.8	20.6	20.3	21.0	21.5	21.2	22.0	21.7	22.4	22.9
8H	4H	19.4	20.3	19.9	20.7	21.2	20.6	21.4	21.0	21.9	22.3
	6H	20.1	20.8	20.6	21.3	21.8	21.3	22.0	21.8	22.5	23.0
	8H	20.3	20.9	20.8	21.4	21.9	21.6	22.2	22.1	22.7	23.2
	12H	20.4	21.0	20.9	21.5	22.1	21.6	22.2	22.1	22.7	23.3
12H	4H	19.5	20.3	20.0	20.7	21.2	20.6	21.4	21.1	21.8	22.3
	6H	20.2	20.8	20.7	21.3	21.8	21.4	22.0	21.9	22.5	23.0
	8H	20.4	21.0	20.9	21.5	22.0	21.6	22.2	22.1	22.7	23.2

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 1174.262 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.)