



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 22 SEL45 UV FA 940 @700MA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-024 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/3/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] FFL G2 22 SEL45 UV FA 940

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflector,  
[MORE] frosted linear ribbed plastic enclosure.

[LAMP] One LS3872A7\_4000\_90R 4000K 64 LED board

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 700mA

[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	4808
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	35.9
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	4404	4753	5101
55	4054	4598	5174
65	3647	4522	5483
75	3069	4558	6006
85	2045	3880	5354

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	614.27	N.A.	12.80
0-30	1294.36	N.A.	26.90
0-40	2102.05	N.A.	43.70
0-60	3686.84	N.A.	76.70
0-80	4690.23	N.A.	97.60
0-90	4807.66	N.A.	100.00
10-90	4647.89	N.A.	96.70
20-40	1487.78	N.A.	30.90
20-50	2316.95	N.A.	48.20
40-70	2192.11	N.A.	45.60
60-80	1003.39	N.A.	20.90
70-80	396.07	N.A.	8.20
80-90	117.42	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	4807.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	159.77
10-20	454.50
20-30	680.09
30-40	807.70
40-50	829.17
50-60	755.62
60-70	607.32
70-80	396.07
80-90	117.42
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	35	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**

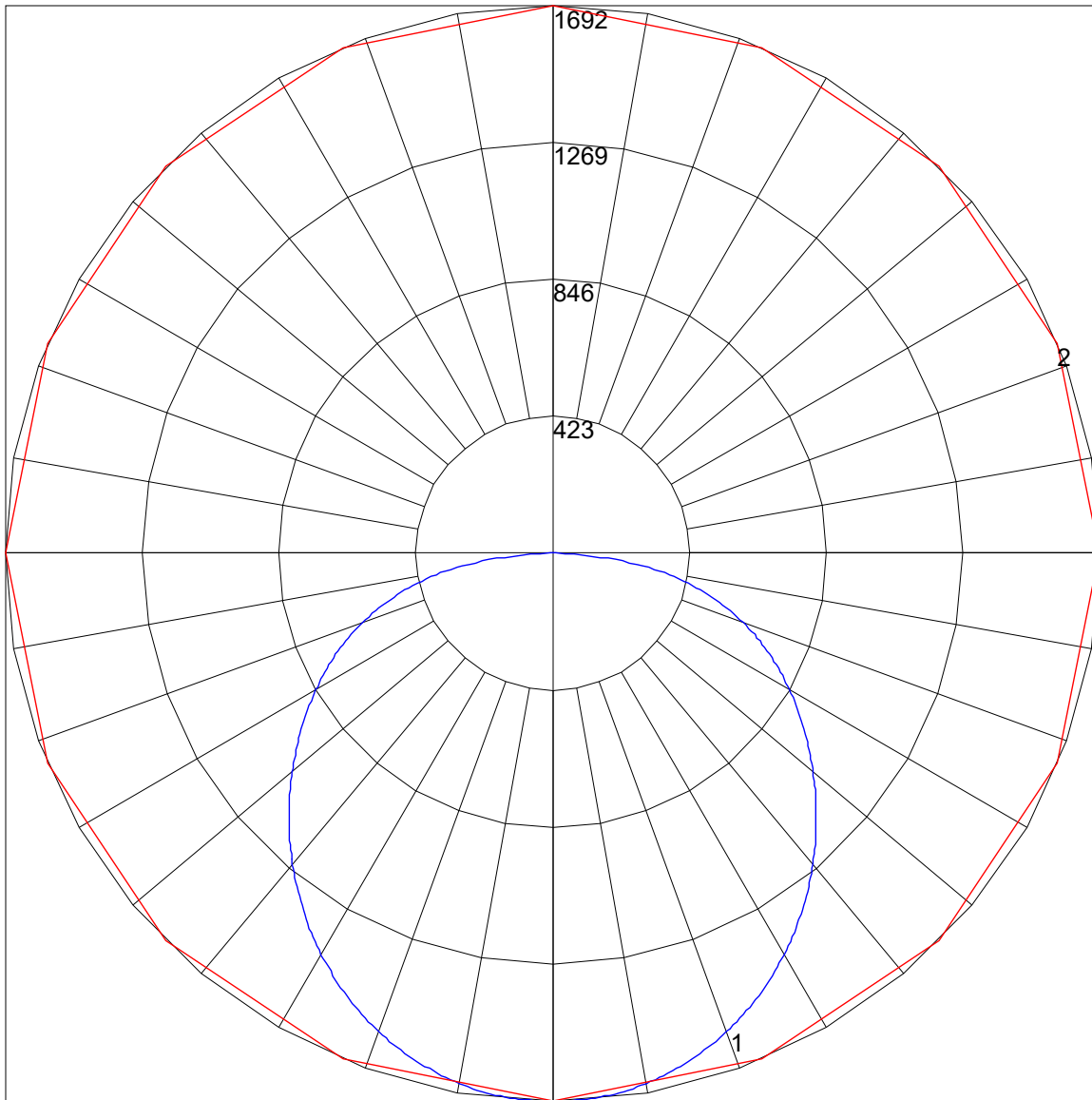
Reflectances

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	16.7	18.3	17.0	18.6	19.0	18.1	19.8	18.5	20.1	20.4
	3H	18.4	19.9	18.8	20.2	20.6	20.5	22.0	20.9	22.3	22.7
	4H	19.0	20.5	19.4	20.8	21.2	21.5	23.0	21.9	23.3	23.7
	6H	19.5	20.8	19.9	21.2	21.5	22.4	23.8	22.9	24.1	24.5
	8H	19.6	20.9	20.0	21.2	21.6	22.8	24.1	23.2	24.5	24.8
	12H	19.7	20.9	20.1	21.3	21.7	23.0	24.2	23.5	24.6	25.0
4H	2H	17.6	19.0	17.9	19.3	19.7	18.7	20.1	19.1	20.5	20.8
	3H	19.5	20.7	19.9	21.1	21.5	21.3	22.5	21.7	22.9	23.3
	4H	20.3	21.4	20.7	21.8	22.2	22.5	23.6	22.9	24.0	24.4
	6H	20.9	21.8	21.3	22.2	22.7	23.6	24.6	24.1	25.0	25.5
	8H	21.0	21.9	21.5	22.3	22.8	24.0	24.9	24.5	25.4	25.8
	12H	21.1	21.9	21.6	22.4	22.9	24.3	25.1	24.8	25.6	26.1
8H	4H	20.9	21.8	21.3	22.2	22.7	22.8	23.7	23.3	24.1	24.6
	6H	21.6	22.4	22.1	22.8	23.3	24.1	24.8	24.6	25.3	25.8
	8H	21.8	22.5	22.3	23.0	23.5	24.6	25.3	25.1	25.8	26.3
	12H	22.0	22.6	22.5	23.1	23.7	25.0	25.6	25.5	26.1	26.6
12H	4H	21.0	21.8	21.5	22.3	22.8	22.8	23.6	23.3	24.1	24.6
	6H	21.8	22.5	22.3	22.9	23.5	24.1	24.8	24.6	25.3	25.8
	8H	22.1	22.7	22.6	23.2	23.7	24.7	25.3	25.2	25.8	26.3

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 1691.699 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.)