



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 22 SEL75 UV FA 940 @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 940

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

[LAMPCAT] Two LS3873A7\_4000\_90R 4000K 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	8345
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	7956	8509	9062
55	7343	8132	8951
65	6609	7680	8729
75	5532	6838	7823
85	3527	3830	3427

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1103.47	N.A.	13.20
0-30	2325.49	N.A.	27.90
0-40	3775.55	N.A.	45.20
0-60	6593.37	N.A.	79.00
0-80	8210.47	N.A.	98.40
0-90	8344.64	N.A.	100.00
10-90	8057.7	N.A.	96.60
20-40	2672.09	N.A.	32.00
20-50	4155.94	N.A.	49.80
40-70	3842.89	N.A.	46.10
60-80	1617.1	N.A.	19.40
70-80	592.04	N.A.	7.10
80-90	134.17	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	8344.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	286.94
10-20	816.52
20-30	1222.03
30-40	1450.06
40-50	1483.85
50-60	1333.97
60-70	1025.07
70-80	592.04
80-90	134.17
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

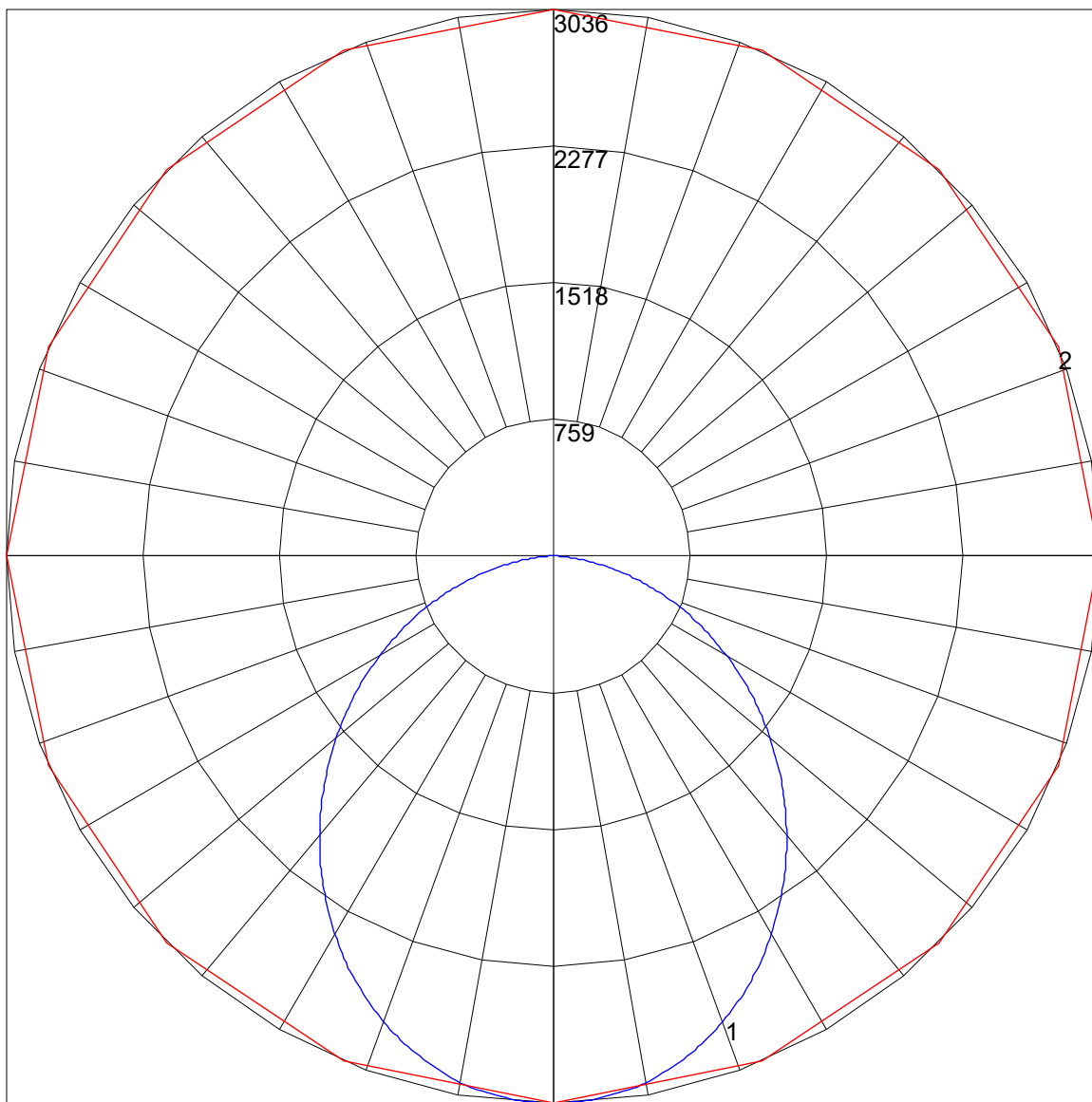
X=2H	Y=2H	18.9	20.5	19.2	20.8	21.1	20.0	21.6	20.4	21.9	22.3
	3H	20.6	22.0	20.9	22.4	22.7	22.0	23.4	22.3	23.8	24.1
	4H	21.2	22.6	21.6	22.9	23.3	22.7	24.1	23.1	24.4	24.8
	6H	21.6	22.9	22.0	23.3	23.6	23.2	24.5	23.6	24.9	25.3
	8H	21.7	22.9	22.1	23.3	23.7	23.3	24.6	23.8	25.0	25.4
	12H	21.8	23.0	22.2	23.3	23.8	23.4	24.6	23.8	24.9	25.4

### UGR Viewed Endwise

4H	2H	19.6	21.0	20.0	21.4	21.8	20.5	21.9	20.9	22.3	22.6
	3H	21.6	22.7	22.0	23.1	23.5	22.7	23.9	23.2	24.3	24.7
	4H	22.3	23.4	22.7	23.8	24.2	23.6	24.7	24.0	25.1	25.5
	6H	22.8	23.8	23.3	24.2	24.7	24.3	25.2	24.7	25.6	26.1
	8H	23.0	23.9	23.4	24.3	24.8	24.4	25.3	24.9	25.7	26.2
	12H	23.1	23.9	23.6	24.3	24.8	24.5	25.3	25.0	25.7	26.2
8H	4H	22.7	23.6	23.2	24.0	24.5	23.9	24.7	24.3	25.2	25.6
	6H	23.4	24.1	23.9	24.6	25.1	24.6	25.3	25.1	25.8	26.3
	8H	23.6	24.2	24.1	24.7	25.2	24.9	25.5	25.4	26.0	26.5
	12H	23.8	24.3	24.3	24.8	25.4	25.0	25.5	25.5	26.0	26.6
12H	4H	22.8	23.6	23.3	24.0	24.5	23.9	24.7	24.4	25.1	25.6
	6H	23.5	24.1	24.0	24.6	25.1	24.7	25.3	25.2	25.8	26.3
	8H	23.7	24.3	24.2	24.8	25.3	24.9	25.5	25.4	26.0	26.6

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 3036.439 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.)