



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 22 SEL35 UV FA 935 @500MA.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 SEL35 UV FA 935

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflectors,

[MORE] two frosted linear ribbed plastic enclosures.

[LAMPCAT] Two LS3873A7\_3500\_90R 3500K 48 LED boards

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 500mA

[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	3601
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	24.2
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	3433	3672	3910
55	3169	3509	3862
65	2852	3314	3767
75	2387	2951	3375
85	1522	1653	1479

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	476.14	N.A.	13.20
0-30	1003.44	N.A.	27.90
0-40	1629.14	N.A.	45.20
0-60	2845.01	N.A.	79.00
0-80	3542.79	N.A.	98.40
0-90	3600.68	N.A.	100.00
10-90	3476.87	N.A.	96.60
20-40	1153.00	N.A.	32.00
20-50	1793.27	N.A.	49.80
40-70	1658.19	N.A.	46.10
60-80	697.77	N.A.	19.40
70-80	255.46	N.A.	7.10
80-90	57.89	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	3600.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.81
10-20	352.33
20-30	527.30
30-40	625.70
40-50	640.28
50-60	575.60
60-70	442.31
70-80	255.46
80-90	57.89
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	77	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

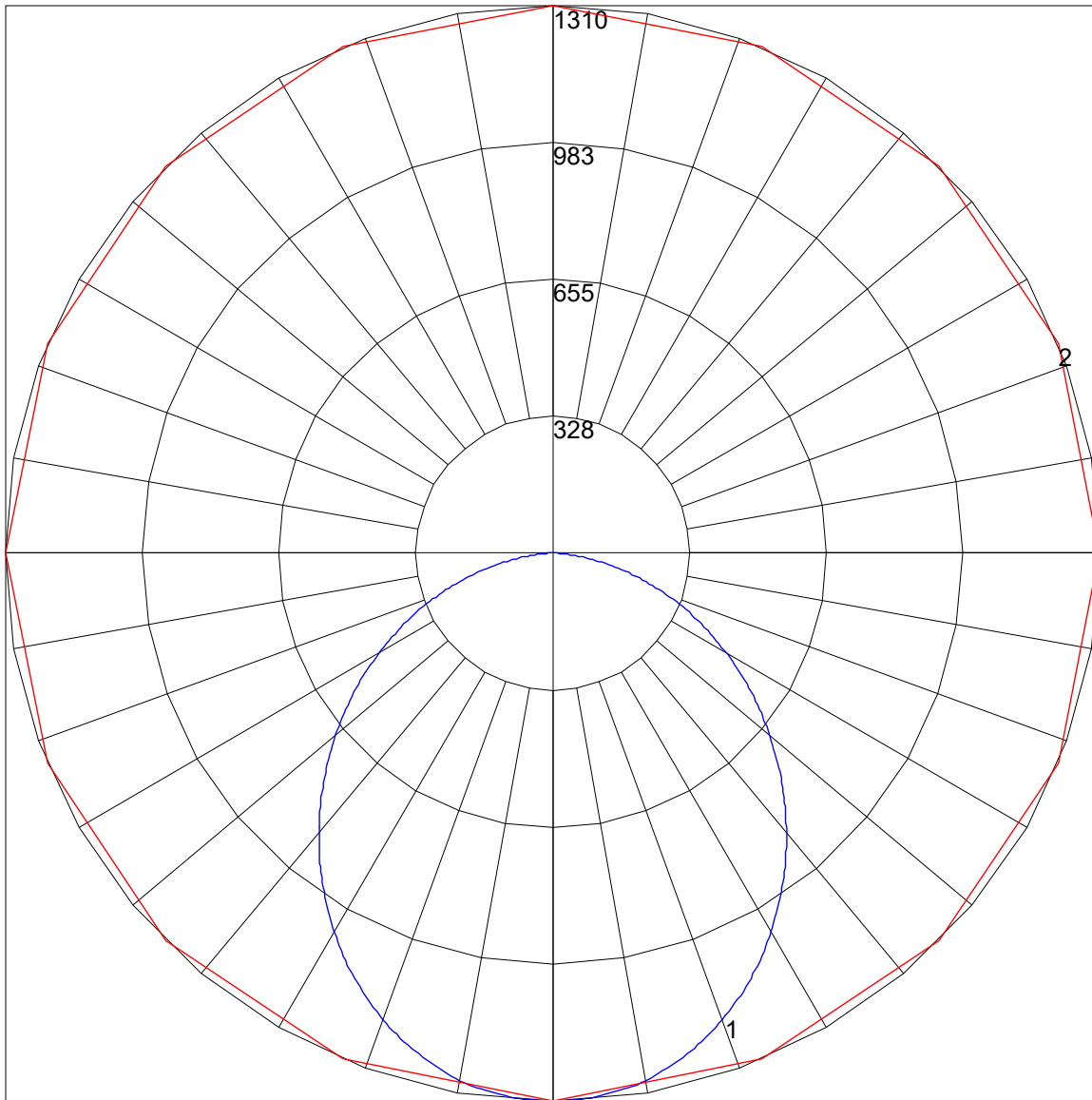
X=2H	Y=2H	16.0	17.6	16.3	17.9	18.2	17.1	18.7	17.5	19.0	19.4
	3H	17.7	19.1	18.0	19.5	19.8	19.1	20.5	19.4	20.9	21.2
	4H	18.3	19.7	18.7	20.0	20.4	19.8	21.2	20.2	21.5	21.9
	6H	18.7	20.0	19.1	20.4	20.7	20.3	21.6	20.7	22.0	22.4
	8H	18.8	20.0	19.2	20.4	20.8	20.4	21.7	20.9	22.1	22.5
	12H	18.9	20.1	19.3	20.4	20.9	20.5	21.7	20.9	22.0	22.5

### UGR Viewed Endwise

4H	2H	16.7	18.1	17.1	18.5	18.9	17.6	19.0	18.0	19.4	19.7
	3H	18.7	19.8	19.1	20.2	20.6	19.8	21.0	20.3	21.4	21.8
	4H	19.4	20.5	19.8	20.9	21.3	20.7	21.8	21.1	22.2	22.6
	6H	19.9	20.9	20.4	21.3	21.8	21.4	22.3	21.8	22.7	23.2
	8H	20.1	21.0	20.5	21.4	21.9	21.5	22.4	22.0	22.8	23.3
	12H	20.2	21.0	20.7	21.4	21.9	21.6	22.4	22.1	22.8	23.3
8H	4H	19.8	20.7	20.3	21.1	21.6	21.0	21.8	21.4	22.3	22.7
	6H	20.5	21.2	21.0	21.7	22.2	21.7	22.4	22.2	22.9	23.4
	8H	20.7	21.3	21.2	21.8	22.3	22.0	22.6	22.5	23.1	23.6
	12H	20.9	21.4	21.4	21.9	22.5	22.1	22.6	22.6	23.1	23.7
12H	4H	19.9	20.7	20.4	21.1	21.6	21.0	21.8	21.5	22.2	22.7
	6H	20.6	21.2	21.1	21.7	22.2	21.8	22.4	22.3	22.9	23.4
	8H	20.8	21.4	21.3	21.9	22.4	22.0	22.6	22.5	23.1	23.7

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 1310.212 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.)