



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 24 SH UV FA 930.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-030 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/28/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 2R 24 SH UV FA 930

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

[MORE] two frosted linear ribbed plastic enclosures.

[LAMP] 192 white LEDs, four LS3873A7\_3000\_90R 3000K LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver programmed at 1190mA

[OTHER] 120.0Vac, 60.00Hz, 0.5026A, 59.80W, 0.991PF, 6.0%THD(i)

[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	8753
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	59.804
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 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	4052	4308	4536
55	3752	4135	4467
65	3391	3921	4344
75	2845	3524	3891
85	1797	1982	1478

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1147.82	N.A.	13.10
0-30	2423.32	N.A.	27.70
0-40	3942.05	N.A.	45.00
0-60	6904.14	N.A.	78.90
0-80	8613.17	N.A.	98.40
0-90	8753.36	N.A.	100.00
10-90	8455.21	N.A.	96.60
20-40	2794.23	N.A.	31.90
20-50	4352.48	N.A.	49.70
40-70	4043.43	N.A.	46.20
60-80	1709.03	N.A.	19.50
70-80	627.69	N.A.	7.20
80-90	140.19	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	8753.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	298.15
10-20	849.68
20-30	1275.5
30-40	1518.72
40-50	1558.26
50-60	1403.83
60-70	1081.34
70-80	627.69
80-90	140.19
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	97	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	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	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

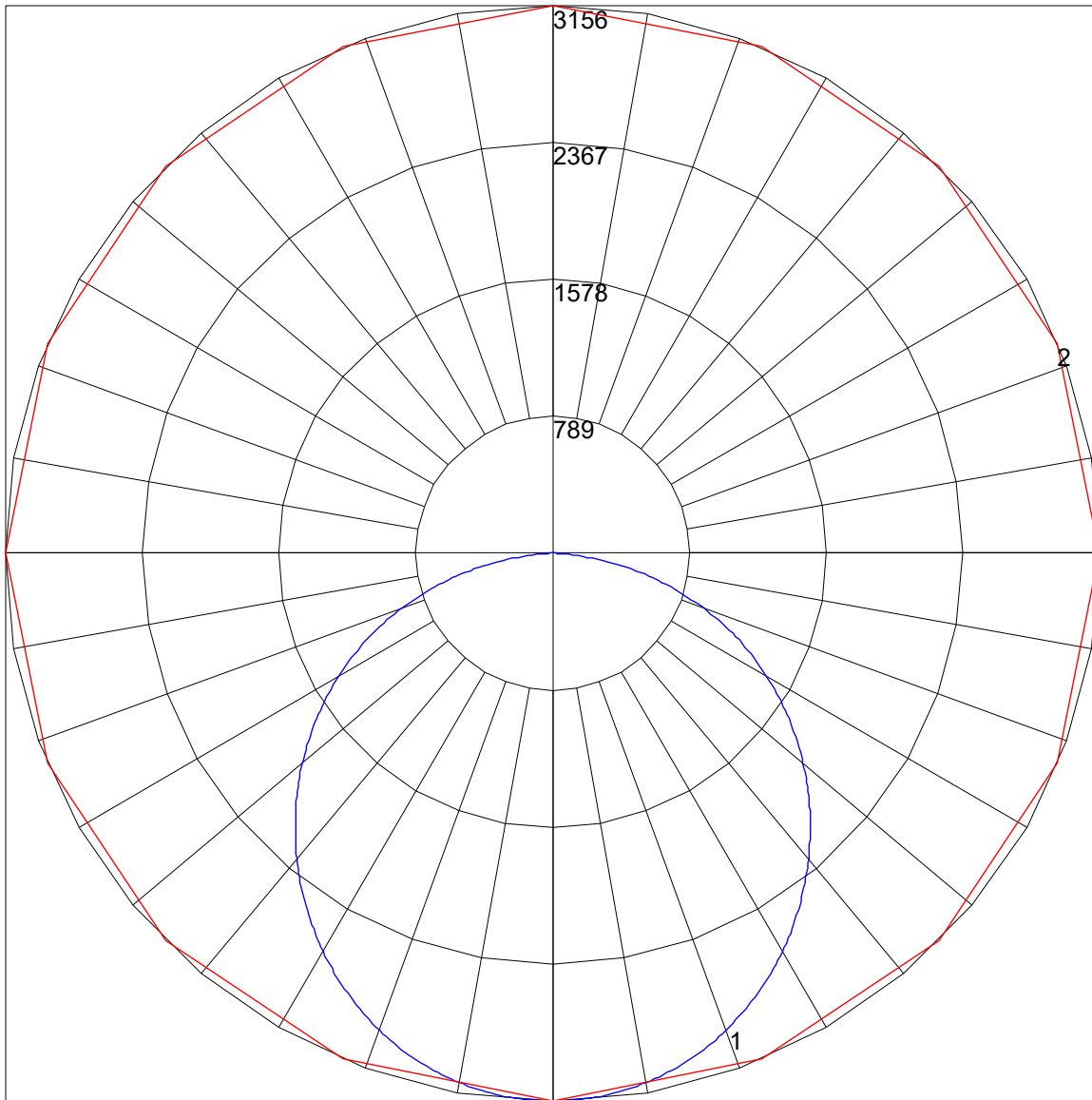
Room Size      UGR Viewed Crosswise

UGR Viewed Endwise

X=2H	Y=2H	16.5	18.1	16.9	18.5	18.8	17.5	19.1	17.9	19.4	19.8
	3H	18.2	19.7	18.6	20.0	20.4	19.5	21.0	19.8	21.3	21.6
	4H	18.9	20.2	19.3	20.6	21.0	20.2	21.6	20.6	22.0	22.3
	6H	19.3	20.6	19.7	20.9	21.3	20.7	22.0	21.1	22.4	22.8
	8H	19.4	20.6	19.8	21.0	21.4	20.8	22.1	21.2	22.5	22.9
	12H	19.4	20.6	19.9	21.0	21.4	20.9	22.0	21.3	22.4	22.9
4H	2H	17.3	18.7	17.7	19.0	19.4	18.1	19.5	18.5	19.8	20.2
	3H	19.2	20.4	19.7	20.8	21.2	20.3	21.4	20.7	21.8	22.2
	4H	20.0	21.0	20.4	21.5	21.9	21.1	22.2	21.6	22.6	23.1
	6H	20.5	21.5	21.0	21.9	22.4	21.8	22.7	22.2	23.2	23.6
	8H	20.7	21.6	21.1	22.0	22.5	21.9	22.8	22.4	23.3	23.7
	12H	20.8	21.6	21.2	22.0	22.5	22.0	22.8	22.5	23.3	23.7
8H	4H	20.4	21.3	20.8	21.7	22.2	21.4	22.3	21.9	22.7	23.2
	6H	21.1	21.8	21.6	22.3	22.7	22.2	22.9	22.7	23.4	23.9
	8H	21.3	21.9	21.8	22.4	22.9	22.4	23.0	22.9	23.5	24.0
	12H	21.4	22.0	21.9	22.5	23.1	22.5	23.0	23.0	23.5	24.1
12H	4H	20.4	21.2	20.9	21.7	22.2	21.4	22.2	21.9	22.7	23.2
	6H	21.2	21.8	21.7	22.3	22.8	22.2	22.9	22.7	23.3	23.9
	8H	21.4	22.0	21.9	22.5	23.0	22.5	23.0	23.0	23.5	24.1

Maximum UGR = 24.1

POLAR GRAPH



Maximum Candela = 3156.411 Located At Horizontal Angle = 67.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)