



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 22 SEL15 UV FA 930 @230MA.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 SEL15 UV FA 930

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

[LAMP] One LS3872A7_3000_90R 3000K 48 LED board

[BALLAST] One KTLD-15-UV-PS300-54-VDIM-LP1 LED driver set to 230mA

[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	1609
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	11.9
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	1474	1590	1707
55	1357	1539	1731
65	1220	1513	1835
75	1027	1525	2010
85	684	1298	1792

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	205.56	N.A.	12.80
0-30	433.13	N.A.	26.90
0-40	703.42	N.A.	43.70
0-60	1233.74	N.A.	76.70
0-80	1569.51	N.A.	97.60
0-90	1608.8	N.A.	100.00
10-90	1555.34	N.A.	96.70
20-40	497.86	N.A.	30.90
20-50	775.33	N.A.	48.20
40-70	733.55	N.A.	45.60
60-80	335.77	N.A.	20.90
70-80	132.54	N.A.	8.20
80-90	39.29	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	1608.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.46
10-20	152.09
20-30	227.58
30-40	270.28
40-50	277.47
50-60	252.86
60-70	203.23
70-80	132.54
80-90	39.29
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

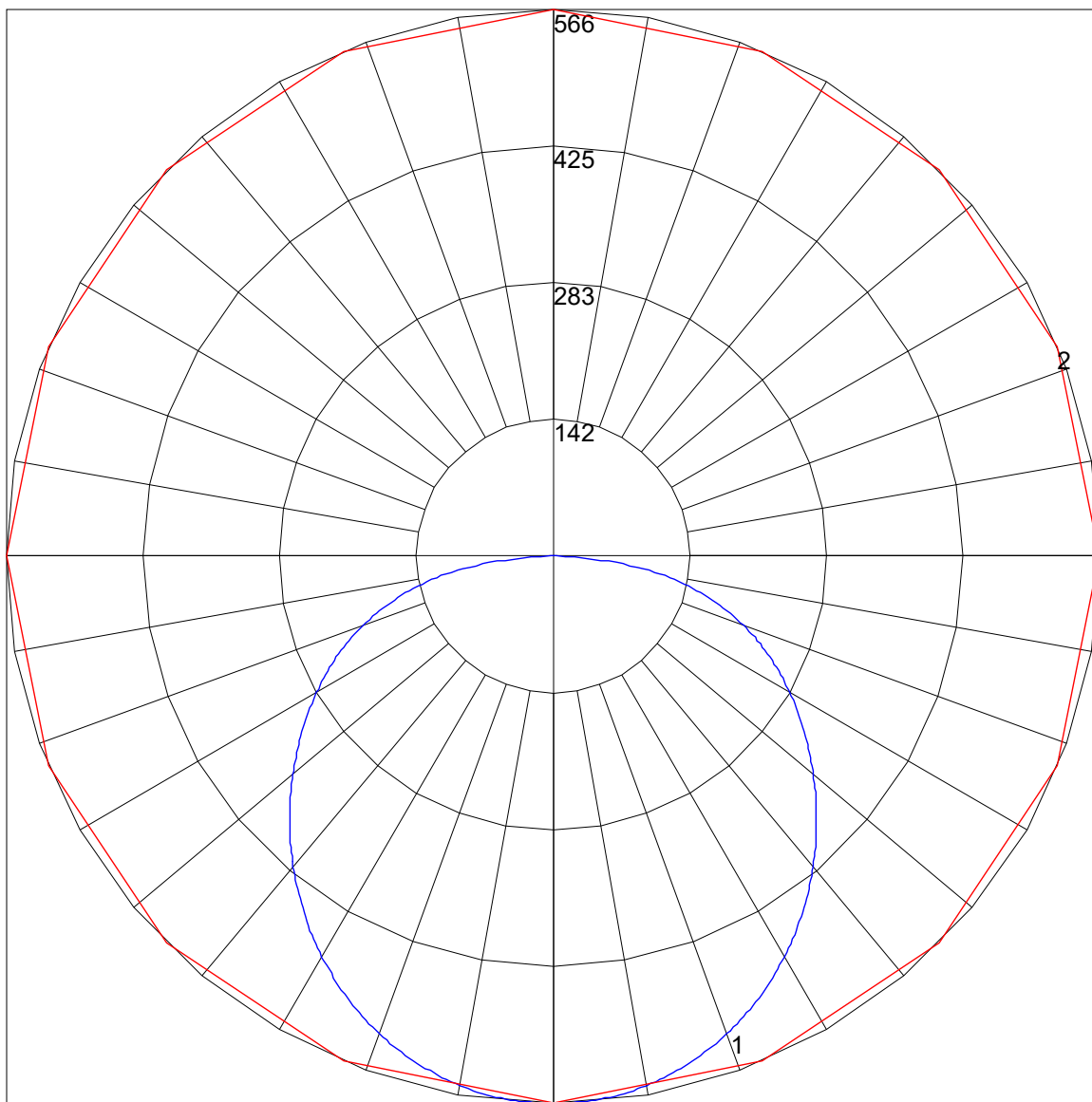
Room Size UGR Viewed Crosswise

UGR Viewed Endwise

X=2H	Y=2H	12.9	14.5	13.2	14.8	15.2	14.3	16.0	14.7	16.3	16.6
	3H	14.6	16.1	15.0	16.4	16.8	16.7	18.2	17.1	18.5	18.9
	4H	15.2	16.7	15.6	17.0	17.4	17.7	19.2	18.1	19.5	19.9
	6H	15.7	17.0	16.1	17.4	17.7	18.6	20.0	19.1	20.3	20.7
	8H	15.8	17.1	16.2	17.4	17.8	19.0	20.3	19.4	20.7	21.0
	12H	15.9	17.1	16.3	17.5	17.9	19.2	20.4	19.7	20.8	21.2
4H	2H	13.8	15.2	14.1	15.5	15.9	14.9	16.3	15.3	16.7	17.0
	3H	15.7	16.9	16.1	17.3	17.7	17.5	18.7	17.9	19.1	19.5
	4H	16.5	17.6	16.9	18.0	18.4	18.7	19.8	19.1	20.2	20.6
	6H	17.1	18.0	17.5	18.4	18.9	19.8	20.8	20.3	21.2	21.7
	8H	17.2	18.1	17.7	18.5	19.0	20.2	21.1	20.7	21.6	22.0
	12H	17.3	18.1	17.8	18.6	19.1	20.5	21.3	21.0	21.8	22.3
8H	4H	17.1	18.0	17.5	18.4	18.9	19.0	19.9	19.5	20.3	20.8
	6H	17.8	18.6	18.3	19.0	19.5	20.3	21.0	20.8	21.5	22.0
	8H	18.0	18.7	18.5	19.2	19.7	20.8	21.5	21.3	22.0	22.5
	12H	18.2	18.8	18.7	19.3	19.9	21.2	21.8	21.7	22.3	22.8
12H	4H	17.2	18.0	17.7	18.5	19.0	19.0	19.8	19.5	20.3	20.8
	6H	18.0	18.7	18.5	19.1	19.7	20.3	21.0	20.8	21.5	22.0
	8H	18.3	18.9	18.8	19.4	19.9	20.9	21.5	21.4	22.0	22.5

Maximum UGR = 22.8

POLAR GRAPH



Maximum Candela = 566.098 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.)