



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFR G2 22 HI UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-014 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/17/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFR G2 22 HI UV FA 930

[LUMINAIRE] Retrofit kit installed in an A.L.P. EL-2x2-20-2 2x2 housing,

[MORE] formed white painted steel reflectors, frosted linear ribbed plastic enclosure.

[LAMP] 84 white LEDs, one LS3872A10_3000_90R 3000K LED board

[BALLAST] One ULT D15CC55UNVPW-C LED driver programmed at 940mA

[OTHER] 120.0Vac, 60.00Hz, 0.3689A, 43.75W, 0.989PF, 7.8%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	5741
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	43.75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.84 ft
Luminous Width (90-270)	1.84 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5221	5721	6234
55	4789	5562	6398
65	4287	5496	6820
75	3625	5563	7690
85	2612	4694	5259

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFR G2 22 HI UV FA 930.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	728.62	N.A.	12.70
0-30	1535.32	N.A.	26.70
0-40	2494.5	N.A.	43.50
0-60	4387.78	N.A.	76.40
0-80	5602.1	N.A.	97.60
0-90	5741.01	N.A.	100.00
10-90	5551.48	N.A.	96.70
20-40	1765.88	N.A.	30.80
20-50	2753.92	N.A.	48.00
40-70	2624.02	N.A.	45.70
60-80	1214.33	N.A.	21.20
70-80	483.58	N.A.	8.40
80-90	138.91	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	5741.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.53
10-20	539.09
20-30	806.70
30-40	959.18
40-50	988.04
50-60	905.24
60-70	730.75
70-80	483.58
80-90	138.91
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFR G2 22 HI UV FA 930.IES

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	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	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	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFR G2 22 HI UV FA 930.IES

UGR TABLE - CORRECTED

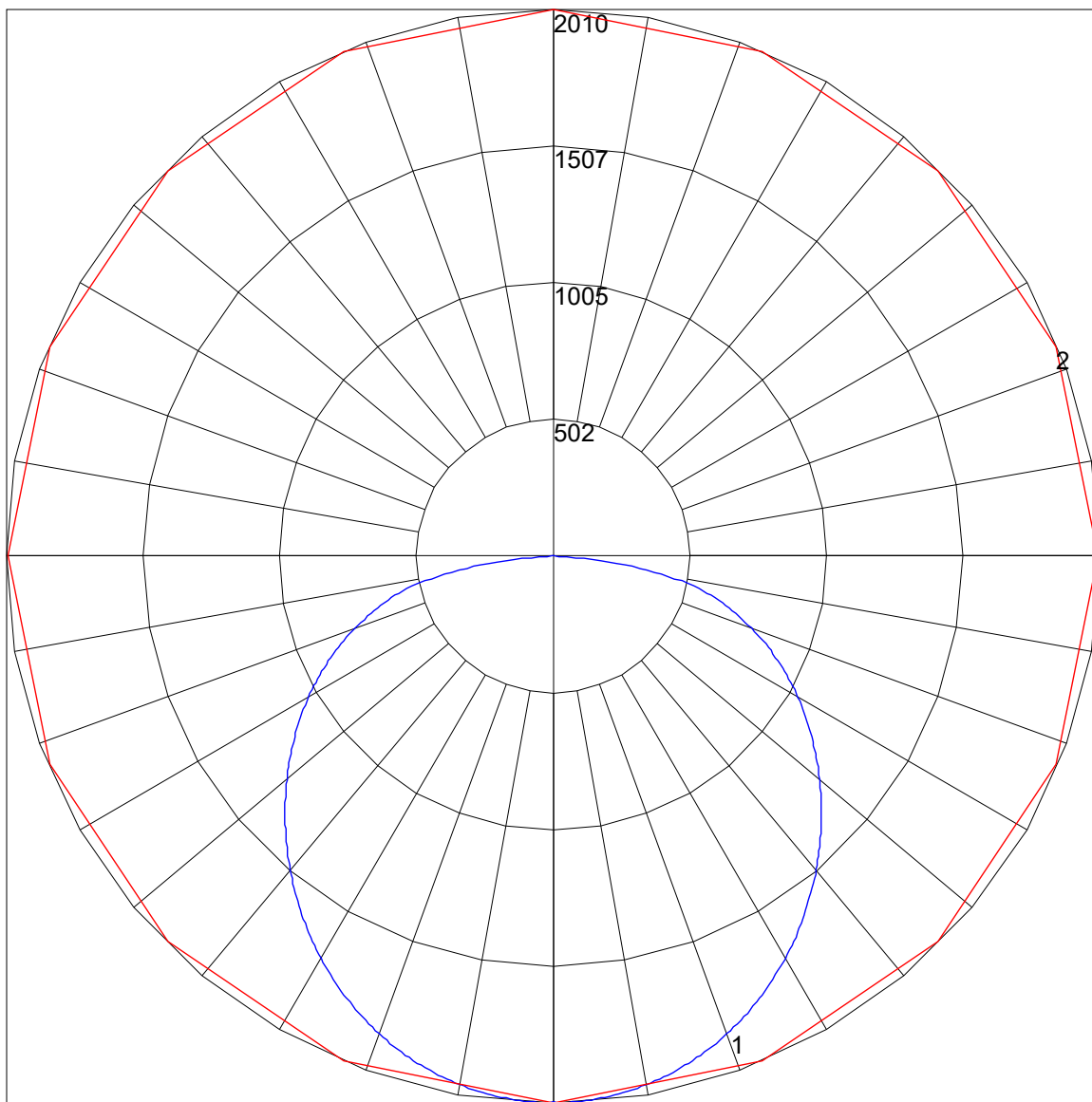
Reflectances

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	17.2	18.9	17.6	19.2	19.5	18.9	20.6	19.3	20.9	21.2
	3H	18.9	20.4	19.3	20.8	21.1	21.3	22.8	21.7	23.2	23.5
	4H	19.5	21.0	19.9	21.3	21.7	22.4	23.8	22.8	24.2	24.5
	6H	20.0	21.3	20.4	21.7	22.1	23.3	24.7	23.8	25.0	25.4
	8H	20.1	21.4	20.6	21.8	22.2	23.7	24.9	24.1	25.3	25.7
	12H	20.2	21.4	20.6	21.8	22.2	23.8	25.0	24.2	25.4	25.8
4H	2H	18.1	19.5	18.5	19.9	20.3	19.4	20.9	19.8	21.2	21.6
	3H	20.1	21.3	20.5	21.7	22.1	22.1	23.3	22.5	23.7	24.1
	4H	20.8	21.9	21.3	22.3	22.8	23.4	24.5	23.8	24.9	25.3
	6H	21.4	22.4	21.8	22.8	23.3	24.5	25.5	24.9	25.9	26.4
	8H	21.6	22.5	22.1	22.9	23.4	24.9	25.8	25.3	26.2	26.7
	12H	21.7	22.5	22.2	23.0	23.5	25.1	25.9	25.6	26.4	26.8
8H	4H	21.5	22.4	21.9	22.8	23.3	23.6	24.5	24.1	25.0	25.4
	6H	22.2	23.0	22.7	23.5	23.9	25.0	25.7	25.4	26.2	26.7
	8H	22.5	23.2	23.0	23.7	24.1	25.4	26.1	25.9	26.6	27.1
	12H	22.7	23.3	23.2	23.8	24.3	25.7	26.3	26.2	26.8	27.4
12H	4H	21.6	22.4	22.1	22.9	23.4	23.7	24.5	24.1	25.0	25.4
	6H	22.4	23.1	23.0	23.6	24.1	25.0	25.7	25.5	26.1	26.7
	8H	22.8	23.4	23.3	23.9	24.4	25.5	26.1	26.0	26.6	27.2

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 2009.598 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.)