



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFR G2 24 HI UV FA 935.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-007A (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/17/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFR G2 24 HI UV FA 935

[LUMINAIRE] Retrofit kit installed in an A.L.P. EL-2x4-23-2 2x4 housing,

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

[LAMP] 96 white LEDs, two LS3873A7_3500_90R 3500K 48 LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver programmed at 950mA

[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	6757
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	49.3
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)	3.75 ft
Luminous Width (90-270)	1.75 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3208	3492	3770
55	2947	3407	3864
65	2640	3383	4099
75	2215	3471	4584
85	1495	3047	3161

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFR G2 24 HI UV FA 935.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	851.48	N.A.	12.60
0-30	1797.11	N.A.	26.60
0-40	2924.2	N.A.	43.30
0-60	5154.8	N.A.	76.30
0-80	6589.85	N.A.	97.50
0-90	6756.97	N.A.	100.00
10-90	6535.75	N.A.	96.70
20-40	2072.72	N.A.	30.70
20-50	3235.96	N.A.	47.90
40-70	3093.47	N.A.	45.80
60-80	1435.06	N.A.	21.20
70-80	572.18	N.A.	8.50
80-90	167.12	N.A.	2.50
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	6756.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.23
10-20	630.25
20-30	945.63
30-40	1127.09
40-50	1163.24
50-60	1067.36
60-70	862.88
70-80	572.18
80-90	167.12
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 24 HI UV FA 935.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	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	37
7	64	50	41	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFR G2 24 HI UV FA 935.IES

UGR TABLE - CORRECTED

Reflectances

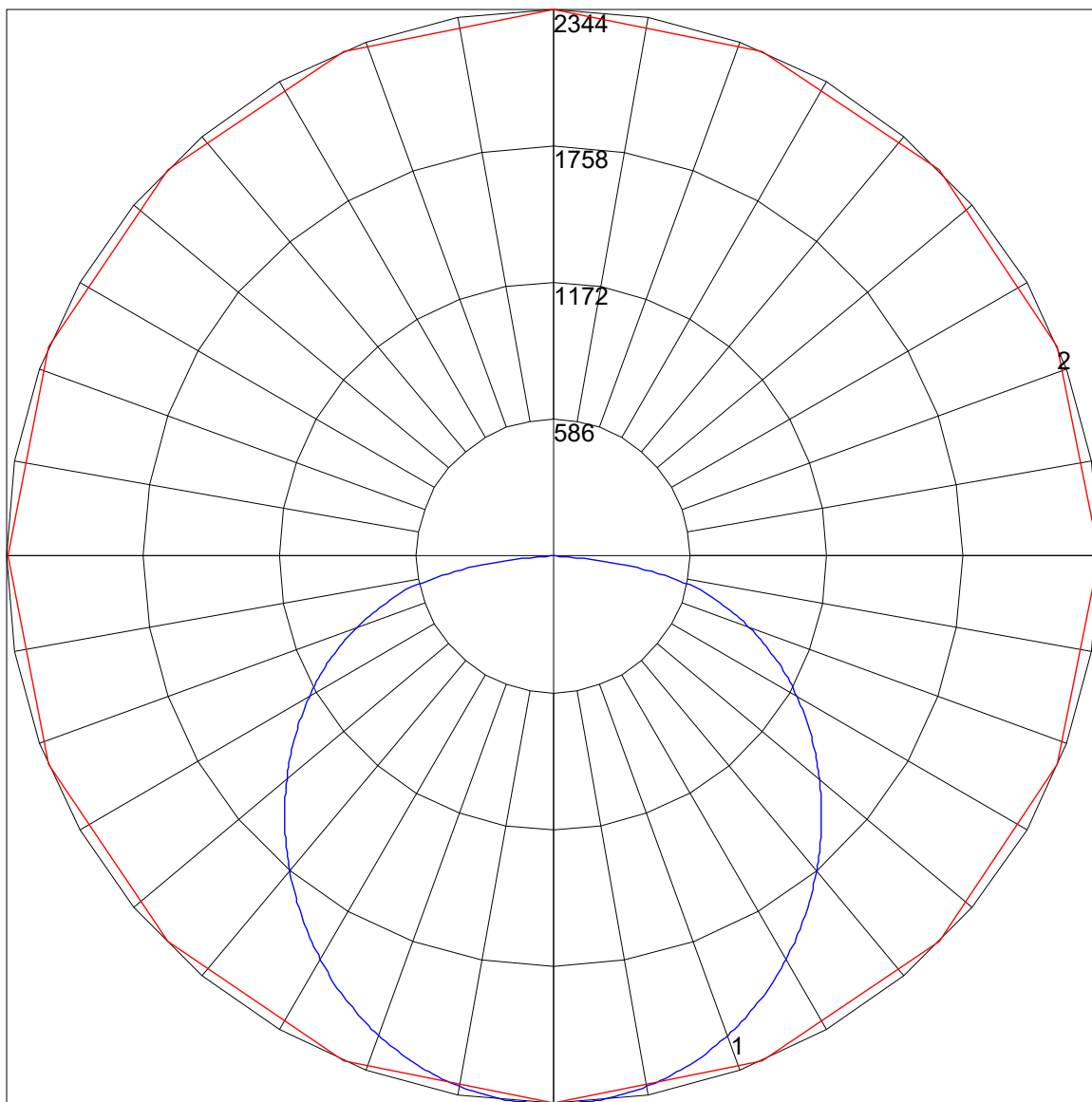
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	15.5	17.1	15.8	17.5	17.8	UGR Viewed Endwise				
	3H	17.2	18.7	17.6	19.0	19.4	17.1	18.8	17.5	19.1	19.4
	4H	17.8	19.3	18.2	19.6	20.0	19.5	21.0	19.9	21.3	21.7
	6H	18.3	19.6	18.7	20.0	20.4	20.5	22.0	20.9	22.3	22.7
	8H	18.4	19.7	18.8	20.1	20.5	21.5	22.8	21.9	23.2	23.5
	12H	18.5	19.7	18.9	20.1	20.5	21.8	23.0	22.2	23.4	23.8
							21.9	23.1	22.3	23.5	23.9
4H	2H	16.4	17.8	16.8	18.2	18.5	17.7	19.1	18.0	19.4	19.8
	3H	18.4	19.6	18.8	20.0	20.4	20.3	21.5	20.7	21.9	22.3
	4H	19.1	20.2	19.6	20.6	21.1	21.5	22.6	22.0	23.0	23.5
	6H	19.7	20.7	20.1	21.1	21.6	22.6	23.6	23.1	24.0	24.5
	8H	19.9	20.8	20.4	21.2	21.7	23.0	23.9	23.5	24.3	24.8
	12H	20.0	20.8	20.5	21.3	21.8	23.2	24.0	23.7	24.5	25.0
8H	4H	19.8	20.7	20.3	21.1	21.6	21.8	22.7	22.3	23.2	23.6
	6H	20.6	21.3	21.0	21.8	22.3	23.1	23.9	23.6	24.4	24.8
	8H	20.8	21.5	21.3	22.0	22.5	23.6	24.2	24.1	24.8	25.2
	12H	21.0	21.6	21.5	22.1	22.7	23.9	24.5	24.4	25.0	25.5
12H	4H	19.9	20.7	20.4	21.2	21.7	21.9	22.7	22.3	23.2	23.6
	6H	20.8	21.5	21.3	21.9	22.4	23.2	23.9	23.7	24.3	24.9
	8H	21.1	21.7	21.6	22.2	22.8	23.7	24.3	24.2	24.8	25.3

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 2343.714 Located At Horizontal Angle = 90, Vertical Angle = 1.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)