



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 22 MD UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-024 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/25/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 22 MD UV FA 930

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

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

[BALLAST] One ULT D10CC30UNVPW-C LED driver programmed at 760mA

[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	4597
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	34.2
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	4211	4544	4878
55	3876	4396	4947
65	3487	4324	5243
75	2934	4358	5743
85	1956	3710	5119

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	587.35	N.A.	12.80
0-30	1237.63	N.A.	26.90
0-40	2009.92	N.A.	43.70
0-60	3525.24	N.A.	76.70
0-80	4484.66	N.A.	97.60
0-90	4596.93	N.A.	100.00
10-90	4444.17	N.A.	96.70
20-40	1422.57	N.A.	30.90
20-50	2215.4	N.A.	48.20
40-70	2096.03	N.A.	45.60
60-80	959.41	N.A.	20.90
70-80	378.71	N.A.	8.20
80-90	112.28	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	4596.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.77
10-20	434.58
20-30	650.28
30-40	772.29
40-50	792.82
50-60	722.50
60-70	580.70
70-80	378.71
80-90	112.28
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	36	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

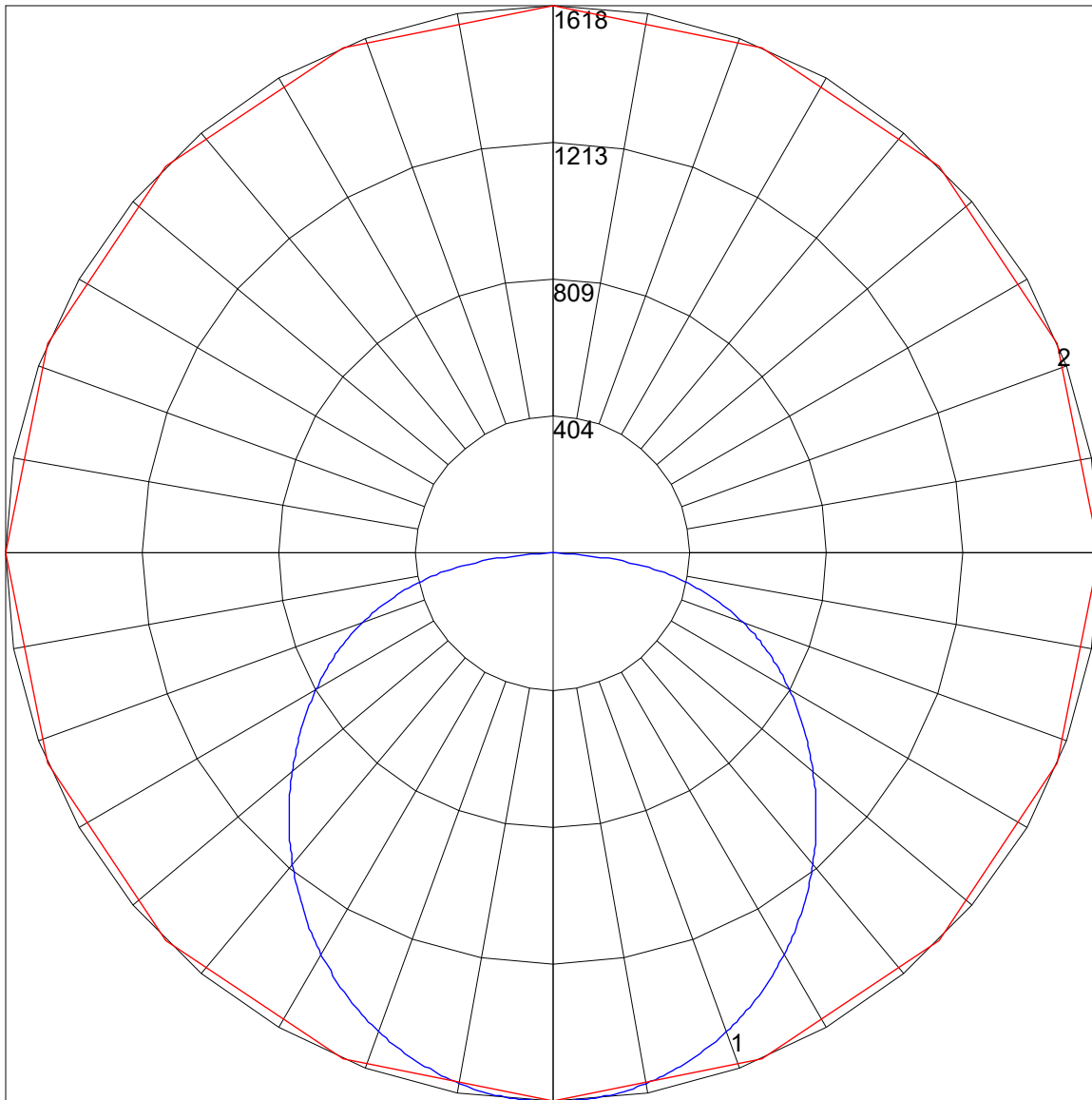
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UGR TABLE - CORRECTED

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	16.5	18.1	16.8	18.4	18.8	17.9	19.6	18.3	19.9	20.2
	3H	18.2	19.7	18.6	20.0	20.4	20.3	21.8	20.7	22.1	22.5
	4H	18.8	20.3	19.2	20.6	21.0	21.3	22.8	21.7	23.1	23.5
	6H	19.3	20.6	19.7	21.0	21.3	22.2	23.6	22.7	23.9	24.3
	8H	19.4	20.7	19.8	21.0	21.4	22.6	23.9	23.0	24.3	24.6
	12H	19.5	20.7	19.9	21.1	21.5	22.8	24.0	23.3	24.4	24.8
4H	2H	17.4	18.8	17.7	19.1	19.5	18.5	19.9	18.9	20.3	20.6
	3H	19.3	20.5	19.7	20.9	21.3	21.1	22.3	21.5	22.7	23.1
	4H	20.1	21.2	20.5	21.6	22.0	22.3	23.4	22.7	23.8	24.2
	6H	20.7	21.6	21.1	22.0	22.5	23.4	24.4	23.9	24.8	25.3
	8H	20.8	21.7	21.3	22.1	22.6	23.8	24.7	24.3	25.2	25.6
	12H	20.9	21.7	21.4	22.2	22.7	24.1	24.9	24.6	25.4	25.9
8H	4H	20.7	21.6	21.1	22.0	22.5	22.6	23.5	23.1	23.9	24.4
	6H	21.4	22.2	21.9	22.6	23.1	23.9	24.6	24.4	25.1	25.6
	8H	21.6	22.3	22.1	22.8	23.3	24.4	25.1	24.9	25.6	26.1
	12H	21.8	22.4	22.3	22.9	23.5	24.8	25.4	25.3	25.9	26.4
12H	4H	20.8	21.6	21.3	22.1	22.6	22.6	23.4	23.1	23.9	24.4
	6H	21.6	22.3	22.1	22.7	23.3	23.9	24.6	24.4	25.1	25.6
	8H	21.9	22.5	22.4	23.0	23.5	24.5	25.1	25.0	25.6	26.1

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 1617.549 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.)