



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 14 LW UV FA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-027 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/28/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 14 LW UV FA 950

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

[MORE] frosted linear ribbed plastic enclosure.

[LAMP] 96 white LEDs, two LS3873A7_5000_90R 5000K LED boards

[BALLAST] One ULT D10CC30UNVPW-C LED driver programmed at 540mA

[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	4032
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	27.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 ft
Luminous Width (90-270)	0.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4072	4326	4555
55	3785	4155	4475
65	3430	3927	4284
75	2881	3455	3675
85	1831	1681	753

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	530.12	N.A.	13.10
0-30	1119.57	N.A.	27.80
0-40	1822.24	N.A.	45.20
0-60	3194.02	N.A.	79.20
0-80	3974.55	N.A.	98.60
0-90	4032.45	N.A.	100.00
10-90	3894.78	N.A.	96.60
20-40	1292.12	N.A.	32.00
20-50	2013.78	N.A.	49.90
40-70	1869.74	N.A.	46.40
60-80	780.53	N.A.	19.40
70-80	282.57	N.A.	7.00
80-90	57.90	N.A.	1.40
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	4032.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.67
10-20	392.45
20-30	589.46
30-40	702.66
40-50	721.66
50-60	650.12
60-70	497.96
70-80	282.57
80-90	57.90
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	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

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UGR TABLE - CORRECTED

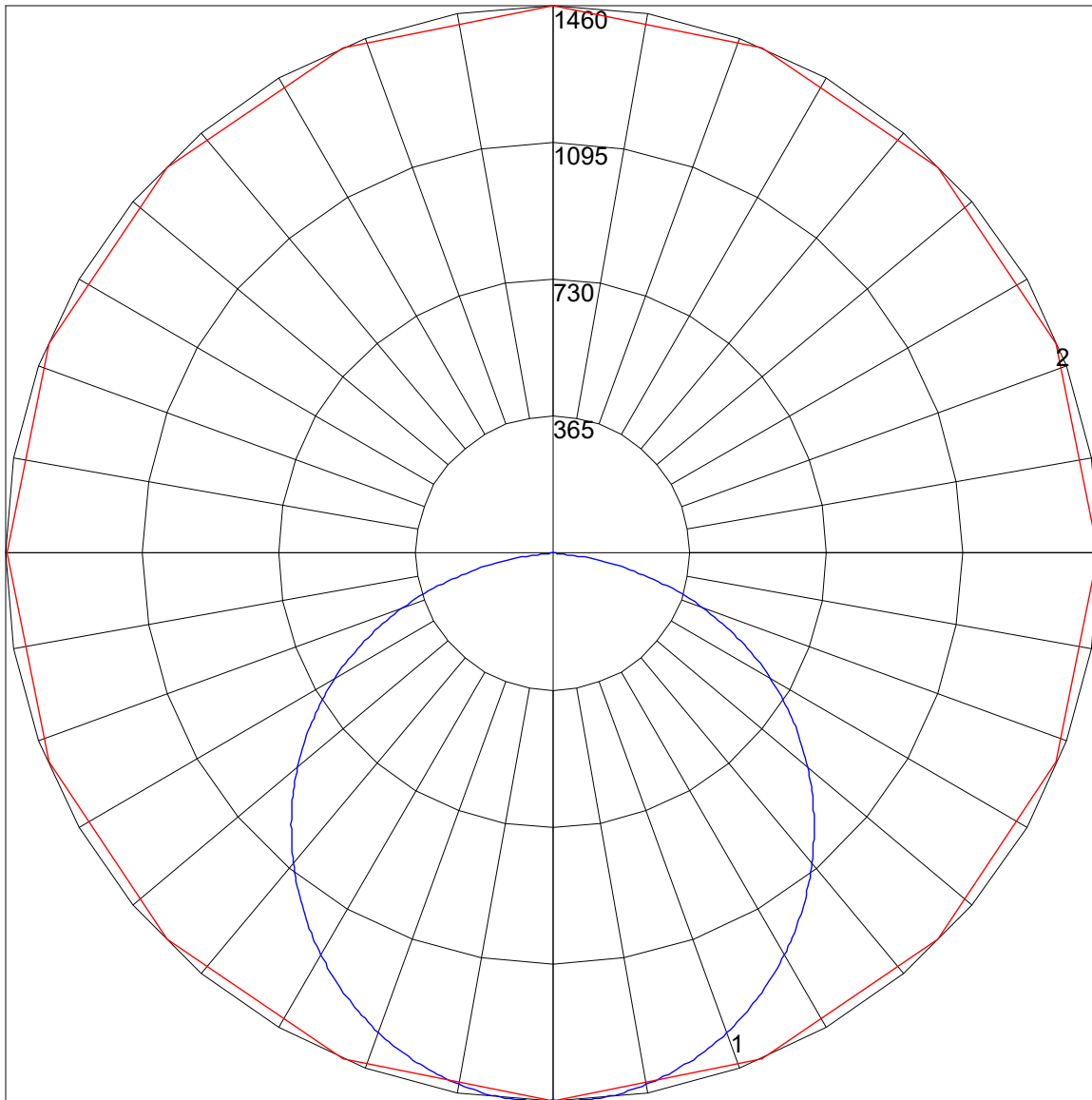
Reflectances

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	16.6	18.2	16.9	18.5	18.8	17.5	19.2	17.9	19.5	19.8
	3H	18.3	19.8	18.7	20.1	20.5	19.4	20.9	19.8	21.2	21.6
	4H	18.9	20.3	19.3	20.6	21.0	20.1	21.5	20.5	21.8	22.2
	6H	19.3	20.6	19.7	21.0	21.4	20.5	21.8	20.9	22.2	22.6
	8H	19.5	20.7	19.9	21.1	21.5	20.6	21.9	21.1	22.2	22.6
	12H	19.5	20.7	19.9	21.1	21.5	20.6	21.8	21.0	22.2	22.6
4H	2H	17.3	18.7	17.7	19.1	19.4	18.1	19.5	18.5	19.8	20.2
	3H	19.3	20.4	19.7	20.8	21.2	20.2	21.4	20.6	21.8	22.2
	4H	20.0	21.1	20.5	21.5	21.9	21.0	22.1	21.5	22.5	22.9
	6H	20.6	21.5	21.0	21.9	22.4	21.6	22.5	22.0	22.9	23.4
	8H	20.7	21.6	21.2	22.0	22.5	21.7	22.6	22.2	23.0	23.5
	12H	20.8	21.6	21.3	22.1	22.5	21.7	22.5	22.2	23.0	23.4
8H	4H	20.4	21.3	20.9	21.7	22.2	21.3	22.2	21.7	22.6	23.1
	6H	21.1	21.8	21.6	22.3	22.8	21.9	22.7	22.4	23.2	23.6
	8H	21.3	21.9	21.8	22.4	22.9	22.1	22.8	22.6	23.3	23.8
	12H	21.5	22.0	22.0	22.5	23.1	22.2	22.7	22.7	23.2	23.8
12H	4H	20.5	21.2	20.9	21.7	22.2	21.3	22.1	21.8	22.6	23.0
	6H	21.2	21.8	21.7	22.3	22.8	22.0	22.6	22.5	23.1	23.6
	8H	21.4	22.0	21.9	22.5	23.0	22.2	22.8	22.7	23.3	23.8

Maximum UGR = 23.8

POLAR GRAPH



Maximum Candela = 1459.562 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)