



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 14 VL UV FA 935.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 VL UV FA 935

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

[MORE] frosted linear ribbed plastic enclosure.

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

[BALLAST] One ULT D700C20UNVPW-C LED driver programmed at 400mA

[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	2919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	21
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	2948	3132	3298
55	2740	3008	3240
65	2483	2843	3101
75	2086	2501	2660
85	1326	1217	545

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	383.78	N.A.	13.10
0-30	810.51	N.A.	27.80
0-40	1319.2	N.A.	45.20
0-60	2312.3	N.A.	79.20
0-80	2877.36	N.A.	98.60
0-90	2919.28	N.A.	100.00
10-90	2819.61	N.A.	96.60
20-40	935.43	N.A.	32.00
20-50	1457.87	N.A.	49.90
40-70	1353.59	N.A.	46.40
60-80	565.06	N.A.	19.40
70-80	204.57	N.A.	7.00
80-90	41.92	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	2919.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.67
10-20	284.11
20-30	426.73
30-40	508.69
40-50	522.44
50-60	470.66
60-70	360.49
70-80	204.57
80-90	41.92
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

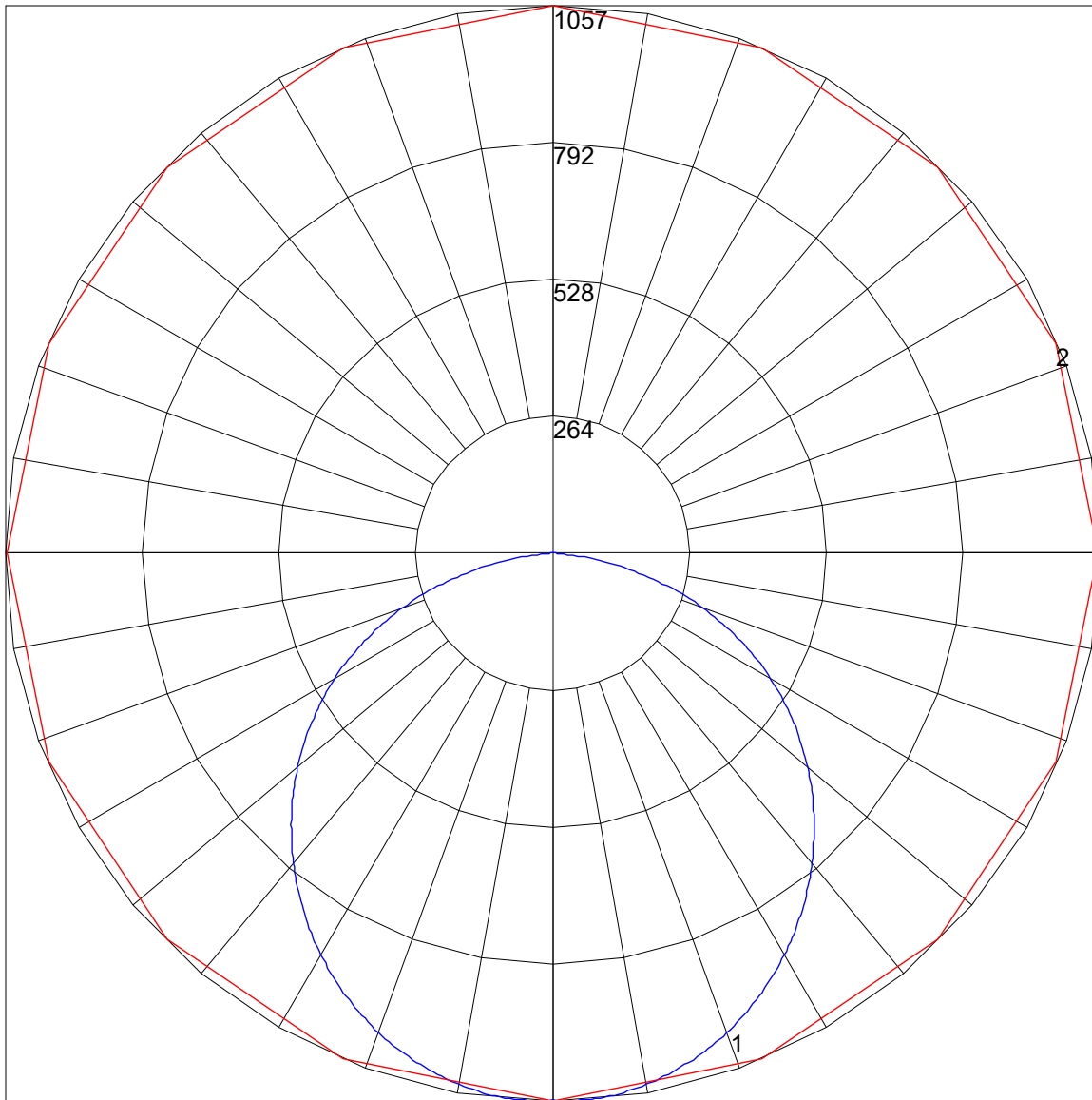
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UGR TABLE - CORRECTED

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	15.5	17.1	15.8	17.4	17.7	16.4	18.1	16.8	18.4	18.7
	3H	17.2	18.7	17.6	19.0	19.4	18.3	19.8	18.7	20.1	20.5
	4H	17.8	19.2	18.2	19.5	19.9	19.0	20.4	19.4	20.7	21.1
	6H	18.2	19.5	18.6	19.9	20.3	19.4	20.7	19.8	21.1	21.5
	8H	18.4	19.6	18.8	20.0	20.4	19.5	20.8	20.0	21.1	21.5
	12H	18.4	19.6	18.8	20.0	20.4	19.5	20.7	19.9	21.1	21.5
4H	2H	16.2	17.6	16.6	18.0	18.3	17.0	18.4	17.4	18.7	19.1
	3H	18.2	19.3	18.6	19.7	20.1	19.1	20.3	19.5	20.7	21.1
	4H	18.9	20.0	19.4	20.4	20.8	19.9	21.0	20.4	21.4	21.8
	6H	19.5	20.4	19.9	20.8	21.3	20.5	21.4	20.9	21.8	22.3
	8H	19.6	20.5	20.1	20.9	21.4	20.6	21.5	21.1	21.9	22.4
	12H	19.7	20.5	20.2	21.0	21.4	20.6	21.4	21.1	21.9	22.3
8H	4H	19.3	20.2	19.8	20.6	21.1	20.2	21.1	20.6	21.5	22.0
	6H	20.0	20.7	20.5	21.2	21.7	20.8	21.6	21.3	22.1	22.5
	8H	20.2	20.8	20.7	21.3	21.8	21.0	21.7	21.5	22.2	22.7
	12H	20.4	20.9	20.9	21.4	22.0	21.1	21.6	21.6	22.1	22.7
12H	4H	19.4	20.1	19.8	20.6	21.1	20.2	21.0	20.7	21.5	21.9
	6H	20.1	20.7	20.6	21.2	21.7	20.9	21.5	21.4	22.0	22.5
	8H	20.3	20.9	20.8	21.4	21.9	21.1	21.7	21.6	22.2	22.7

Maximum UGR = 22.7

POLAR GRAPH



Maximum Candela = 1056.645 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.)