



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 24 VL UV FA 950.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-020A (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/25/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 24 VL 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 500mA

[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	3755
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	25.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 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	1674	1790	1898
55	1547	1738	1916
65	1393	1712	2005
75	1168	1733	2194
85	742	1600	1970

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	476.08	N.A.	12.70
0-30	1004.92	N.A.	26.80
0-40	1634.95	N.A.	43.50
0-60	2875.18	N.A.	76.60
0-80	3659.93	N.A.	97.50
0-90	3755.34	N.A.	100.00
10-90	3631.65	N.A.	96.70
20-40	1158.87	N.A.	30.90
20-50	1807.41	N.A.	48.10
40-70	1714.69	N.A.	45.70
60-80	784.75	N.A.	20.90
70-80	310.29	N.A.	8.30
80-90	95.40	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	3755.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.69
10-20	352.39
20-30	528.84
30-40	630.03
40-50	648.53
50-60	591.69
60-70	474.46
70-80	310.29
80-90	95.40
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	82	77	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	40	51	44	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	41	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	38	30	26	37	30	25	36	30	25	24

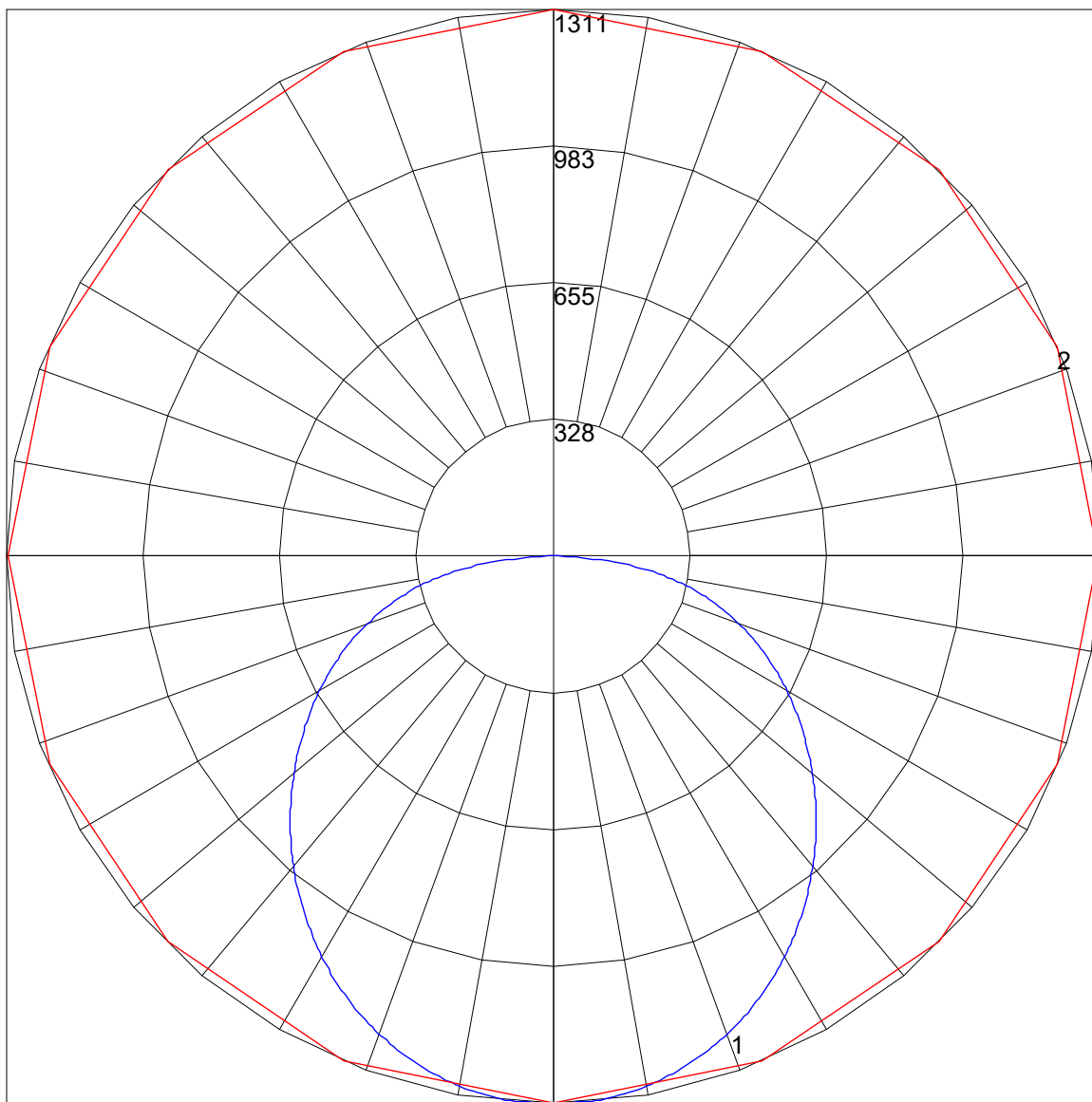
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UGR TABLE - CORRECTED

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	13.3	15.0	13.7	15.3	15.6	14.6	16.3	15.0	16.6	16.9
	3H	15.1	16.6	15.4	16.9	17.3	17.0	18.5	17.3	18.8	19.1
	4H	15.7	17.1	16.1	17.5	17.8	18.0	19.4	18.4	19.7	20.1
	6H	16.1	17.5	16.5	17.8	18.2	18.9	20.2	19.3	20.6	21.0
	8H	16.3	17.5	16.7	17.9	18.3	19.2	20.5	19.7	20.9	21.3
	12H	16.3	17.5	16.8	17.9	18.4	19.5	20.7	19.9	21.1	21.5
4H	2H	14.2	15.6	14.6	16.0	16.3	15.2	16.6	15.6	17.0	17.3
	3H	16.2	17.4	16.6	17.8	18.2	17.8	19.0	18.2	19.4	19.8
	4H	16.9	18.0	17.4	18.4	18.9	19.0	20.1	19.4	20.5	20.9
	6H	17.5	18.5	17.9	18.9	19.4	20.1	21.0	20.5	21.5	21.9
	8H	17.7	18.6	18.1	19.0	19.5	20.5	21.4	21.0	21.8	22.3
	12H	17.8	18.6	18.3	19.1	19.5	20.8	21.6	21.3	22.1	22.6
8H	4H	17.5	18.4	18.0	18.9	19.3	19.3	20.2	19.7	20.6	21.1
	6H	18.3	19.0	18.8	19.5	20.0	20.6	21.3	21.1	21.8	22.3
	8H	18.5	19.2	19.0	19.7	20.2	21.1	21.8	21.6	22.3	22.8
	12H	18.7	19.3	19.2	19.8	20.4	21.5	22.1	22.0	22.6	23.1
12H	4H	17.7	18.5	18.2	19.0	19.4	19.3	20.1	19.8	20.6	21.1
	6H	18.5	19.2	19.0	19.6	20.2	20.6	21.3	21.1	21.8	22.3
	8H	18.8	19.4	19.3	19.9	20.5	21.2	21.8	21.7	22.3	22.9

Maximum UGR = 23.1

POLAR GRAPH



Maximum Candela = 1310.748 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.)