



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 24 SH UV FA 935.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 SH UV FA 935  
[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflector,  
[MORE] frosted linear ribbed plastic enclosure.  
[LAMP] 128 white LEDs, two LS3873A8\_3500\_90R 3500K LED boards  
[BALLAST] One ULT D21CC80UNVPW-C LED driver programmed at 1220mA  
[OTHER] 120.0Vac, 60.00Hz, 0.5242A, 62.74W, 0.997PF, 6.0%THD(i)  
[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	8712
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	62.74
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	3884	4152	4403
55	3588	4032	4444
65	3232	3973	4651
75	2709	4021	5089
85	1720	3711	4571

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FFL G2 24 SH UV FA 935.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1104.45	N.A.	12.70
0-30	2331.29	N.A.	26.80
0-40	3792.9	N.A.	43.50
0-60	6670.08	N.A.	76.60
0-80	8490.61	N.A.	97.50
0-90	8711.93	N.A.	100.00
10-90	8424.99	N.A.	96.70
20-40	2688.45	N.A.	30.90
20-50	4192.97	N.A.	48.10
40-70	3977.88	N.A.	45.70
60-80	1820.53	N.A.	20.90
70-80	719.83	N.A.	8.30
80-90	221.32	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	8711.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	286.94
10-20	817.51
20-30	1226.85
30-40	1461.6
40-50	1504.52
50-60	1372.66
60-70	1100.7
70-80	719.83
80-90	221.32
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 : FFL G2 24 SH 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	90	82	76	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

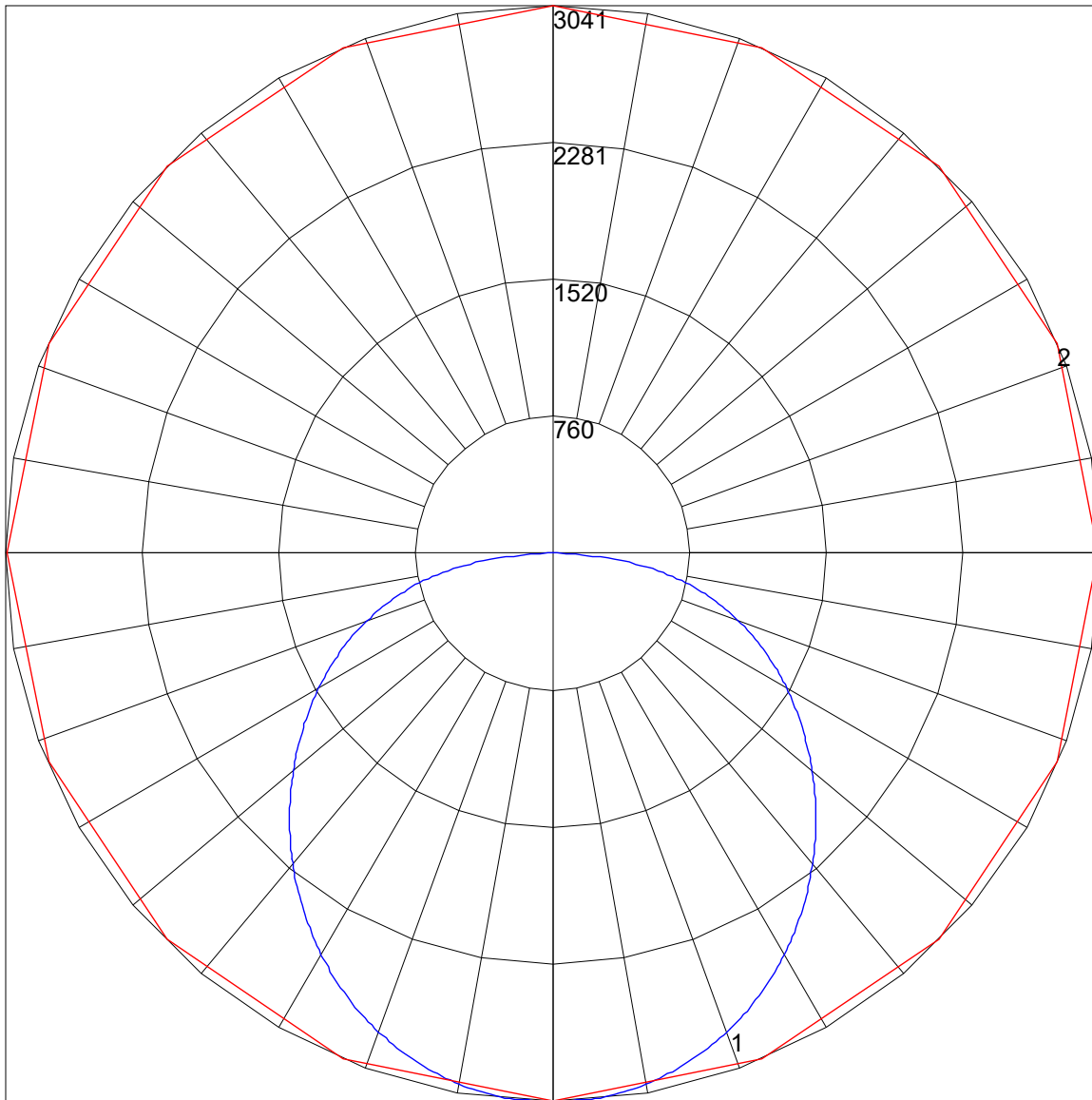
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FFL G2 24 SH UV FA 935.IES**

**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					UGR Viewed Endwise				
X=2H	Y=2H	16.2	17.9	16.6	18.2	18.5	17.5	19.2	17.9	19.5	19.8
	3H	18.0	19.5	18.3	19.8	20.2	19.9	21.4	20.2	21.7	22.0
	4H	18.6	20.0	19.0	20.4	20.7	20.9	22.3	21.3	22.6	23.0
	6H	19.0	20.4	19.4	20.7	21.1	21.8	23.1	22.2	23.5	23.9
	8H	19.2	20.4	19.6	20.8	21.2	22.1	23.4	22.6	23.8	24.2
	12H	19.2	20.4	19.7	20.8	21.3	22.4	23.6	22.8	24.0	24.4
4H	2H	17.1	18.5	17.5	18.9	19.2	18.1	19.5	18.5	19.9	20.2
	3H	19.1	20.3	19.5	20.7	21.1	20.7	21.9	21.1	22.3	22.7
	4H	19.8	20.9	20.3	21.3	21.8	21.9	23.0	22.3	23.4	23.8
	6H	20.4	21.4	20.8	21.8	22.3	23.0	23.9	23.4	24.4	24.8
	8H	20.6	21.5	21.0	21.9	22.4	23.4	24.3	23.9	24.7	25.2
	12H	20.7	21.5	21.2	22.0	22.4	23.7	24.5	24.2	25.0	25.4
8H	4H	20.4	21.3	20.9	21.8	22.2	22.2	23.1	22.6	23.5	24.0
	6H	21.2	21.9	21.7	22.4	22.9	23.5	24.2	24.0	24.7	25.2
	8H	21.4	22.1	21.9	22.6	23.1	24.0	24.7	24.5	25.2	25.7
	12H	21.6	22.2	22.1	22.7	23.3	24.4	25.0	24.9	25.5	26.0
12H	4H	20.6	21.4	21.1	21.9	22.3	22.2	23.0	22.7	23.5	24.0
	6H	21.4	22.1	21.9	22.5	23.1	23.5	24.2	24.0	24.7	25.2
	8H	21.7	22.3	22.2	22.8	23.4	24.1	24.7	24.6	25.2	25.8

Maximum UGR = 26.0

POLAR GRAPH



Maximum Candela = 3040.778 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.)