



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 24 SEL100 UV FA 940 @1500MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-030 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/4/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] FFL G2 2R 24 SEL100 UV FA 940

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflectors,
[MORE] two frosted linear ribbed plastic enclosures.

[LAMPCAT] Four LS3873A8_4000_90R 4000K 64 LED boards

[BALLAST] One KTLD-100-UV-PS1800-54-VDIM-LM2 LED driver set to 1500mA

[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	11254
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	73.2
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	5209	5539	5832
55	4824	5316	5742
65	4360	5041	5585
75	3658	4530	5003
85	2311	2548	1900

IES INDOOR REPORT**PHOTOMETRIC FILENAME : FFL G2 2R 24 SEL100 UV FA 940 @1500MA.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1475.72	N.A.	13.10
0-30	3115.6	N.A.	27.70
0-40	5068.18	N.A.	45.00
0-60	8876.46	N.A.	78.90
0-80	11073.71	N.A.	98.40
0-90	11253.95	N.A.	100.00
10-90	10870.63	N.A.	96.60
20-40	3592.46	N.A.	31.90
20-50	5595.86	N.A.	49.70
40-70	5198.52	N.A.	46.20
60-80	2197.26	N.A.	19.50
70-80	807.01	N.A.	7.20
80-90	180.24	N.A.	1.60
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	11253.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	383.32
10-20	1092.4
20-30	1639.88
30-40	1952.58
40-50	2003.41
50-60	1804.87
60-70	1390.25
70-80	807.01
80-90	180.24
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 2R 24 SEL100 UV FA 940 @1500MA.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	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 24 SEL100 UV FA 940 @1500MA.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

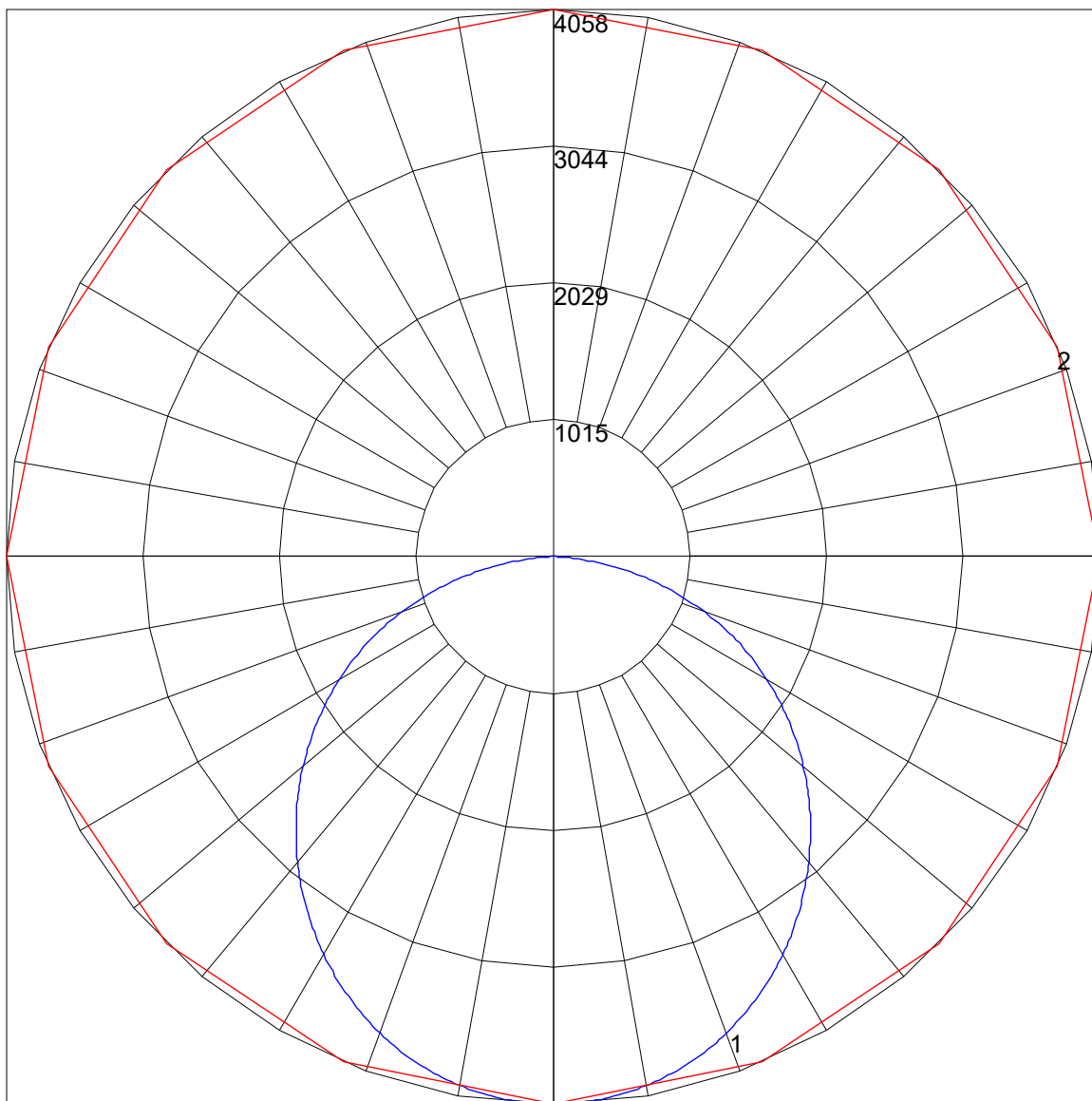
X=2H	Y=2H	17.4	19.0	17.8	19.4	19.7	18.4	20.0	18.8	20.3	20.7
	3H	19.1	20.6	19.5	20.9	21.3	20.4	21.9	20.7	22.2	22.5
	4H	19.8	21.1	20.2	21.5	21.9	21.1	22.5	21.5	22.9	23.2
	6H	20.2	21.5	20.6	21.8	22.2	21.6	22.9	22.0	23.3	23.7
	8H	20.3	21.5	20.7	21.9	22.3	21.7	23.0	22.1	23.4	23.8
	12H	20.3	21.5	20.8	21.9	22.3	21.8	22.9	22.2	23.3	23.8

UGR Viewed Endwise

4H	2H	18.2	19.6	18.6	19.9	20.3	19.0	20.4	19.4	20.7	21.1
	3H	20.1	21.3	20.6	21.7	22.1	21.2	22.3	21.6	22.7	23.1
	4H	20.9	21.9	21.3	22.4	22.8	22.0	23.1	22.5	23.5	24.0
	6H	21.4	22.4	21.9	22.8	23.3	22.7	23.6	23.1	24.1	24.5
	8H	21.6	22.4	22.0	22.9	23.4	22.8	23.7	23.3	24.2	24.6
	12H	21.7	22.5	22.1	22.9	23.4	22.9	23.7	23.4	24.2	24.6
8H	4H	21.3	22.2	21.7	22.6	23.1	22.3	23.2	22.8	23.6	24.1
	6H	22.0	22.7	22.5	23.2	23.6	23.1	23.8	23.6	24.3	24.8
	8H	22.2	22.8	22.7	23.3	23.8	23.3	23.9	23.8	24.4	24.9
	12H	22.3	22.9	22.8	23.4	24.0	23.4	23.9	23.9	24.4	25.0
12H	4H	21.3	22.1	21.8	22.6	23.1	22.3	23.1	22.8	23.6	24.1
	6H	22.1	22.7	22.6	23.2	23.7	23.1	23.8	23.6	24.2	24.8
	8H	22.3	22.9	22.8	23.4	23.9	23.4	23.9	23.9	24.4	25.0

Maximum UGR = 25.0

POLAR GRAPH



Maximum Candela = 4058.11 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)