



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 24 SEL100 UV FA 935 @1600MA.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 935

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

[LAMPCAT] Four LS3873A8_3500_90R 3500K 64 LED boards

[BALLAST] One KTLD-100-UV-PS1800-54-VDIM-LM2 LED driver set to 1600mA

[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	11712
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	78.3
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	5421	5764	6069
55	5020	5532	5976
65	4537	5246	5812
75	3807	4715	5207
85	2405	2652	1978

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Zone	Lumens	%Lamp	%Fixt
0-20	1535.73	N.A.	13.10
0-30	3242.29	N.A.	27.70
0-40	5274.28	N.A.	45.00
0-60	9237.41	N.A.	78.90
0-80	11524.02	N.A.	98.40
0-90	11711.59	N.A.	100.00
10-90	11312.68	N.A.	96.60
20-40	3738.54	N.A.	31.90
20-50	5823.42	N.A.	49.70
40-70	5409.92	N.A.	46.20
60-80	2286.61	N.A.	19.50
70-80	839.82	N.A.	7.20
80-90	187.57	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	11711.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	398.91
10-20	1136.83
20-30	1706.56
30-40	2031.98
40-50	2084.87
50-60	1878.26
60-70	1446.78
70-80	839.82
80-90	187.57
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	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

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UGR TABLE - CORRECTED

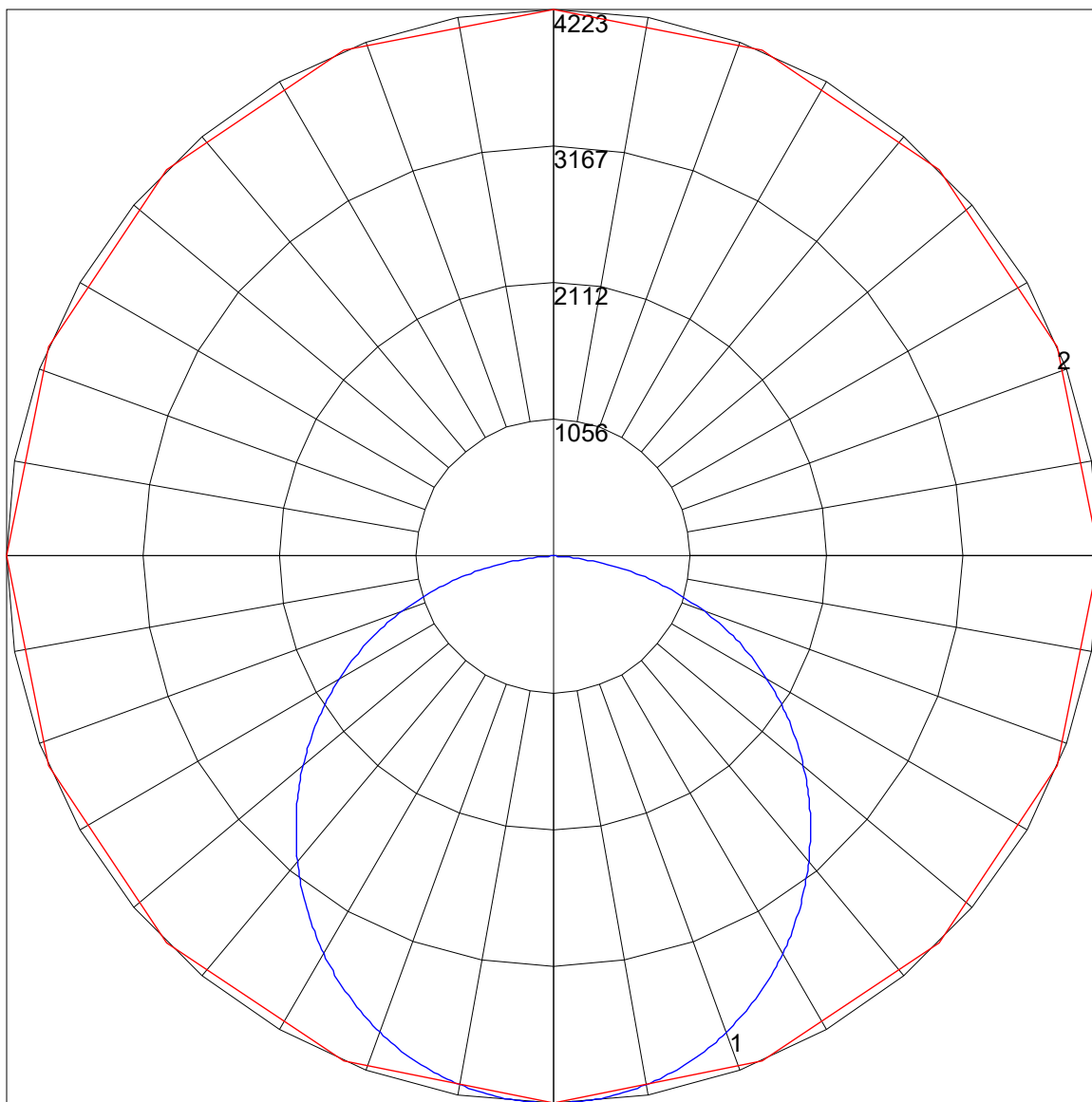
Reflectances

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	17.6	19.2	18.0	19.6	19.9	18.6	20.2	19.0	20.5	20.9
	3H	19.3	20.8	19.7	21.1	21.5	20.6	22.1	20.9	22.4	22.7
	4H	20.0	21.3	20.4	21.7	22.1	21.3	22.7	21.7	23.1	23.4
	6H	20.4	21.7	20.8	22.0	22.4	21.8	23.1	22.2	23.5	23.9
	8H	20.5	21.7	20.9	22.1	22.5	21.9	23.2	22.3	23.6	24.0
	12H	20.5	21.7	21.0	22.1	22.5	22.0	23.1	22.4	23.5	24.0
4H	2H	18.4	19.8	18.8	20.1	20.5	19.2	20.6	19.6	20.9	21.3
	3H	20.3	21.5	20.8	21.9	22.3	21.4	22.5	21.8	22.9	23.3
	4H	21.1	22.1	21.5	22.6	23.0	22.2	23.3	22.7	23.7	24.2
	6H	21.6	22.6	22.1	23.0	23.5	22.9	23.8	23.3	24.3	24.7
	8H	21.8	22.6	22.2	23.1	23.6	23.0	23.9	23.5	24.4	24.8
	12H	21.9	22.7	22.3	23.1	23.6	23.1	23.9	23.6	24.4	24.8
8H	4H	21.5	22.4	21.9	22.8	23.3	22.5	23.4	23.0	23.8	24.3
	6H	22.2	22.9	22.7	23.4	23.8	23.3	24.0	23.8	24.5	25.0
	8H	22.4	23.0	22.9	23.5	24.0	23.5	24.1	24.0	24.6	25.1
	12H	22.5	23.1	23.0	23.6	24.2	23.6	24.1	24.1	24.6	25.2
12H	4H	21.5	22.3	22.0	22.8	23.3	22.5	23.3	23.0	23.8	24.3
	6H	22.3	22.9	22.8	23.4	23.9	23.3	24.0	23.8	24.4	25.0
	8H	22.5	23.1	23.0	23.6	24.1	23.6	24.1	24.1	24.6	25.2

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 4223.131 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.)