



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 22 SEL45 UV FA 940 @800MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-031 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/4/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] FFL G2 2R 22 SEL45 UV FA 940

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

[LAMPCAT] Two LS3873A7_4000_90R 4000K 48 LED boards

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 800mA

[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	5809
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	40.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.85 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	5539	5924	6309
55	5112	5661	6232
65	4601	5347	6077
75	3851	4761	5446
85	2456	2666	2386

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	768.23	N.A.	13.20
0-30	1619.00	N.A.	27.90
0-40	2628.52	N.A.	45.20
0-60	4590.27	N.A.	79.00
0-80	5716.08	N.A.	98.40
0-90	5809.49	N.A.	100.00
10-90	5609.72	N.A.	96.60
20-40	1860.29	N.A.	32.00
20-50	2893.34	N.A.	49.80
40-70	2675.4	N.A.	46.10
60-80	1125.82	N.A.	19.40
70-80	412.17	N.A.	7.10
80-90	93.41	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	5809.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	199.77
10-20	568.46
20-30	850.77
30-40	1009.52
40-50	1033.05
50-60	928.70
60-70	713.65
70-80	412.17
80-90	93.41
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	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	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	33	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	31	26	24

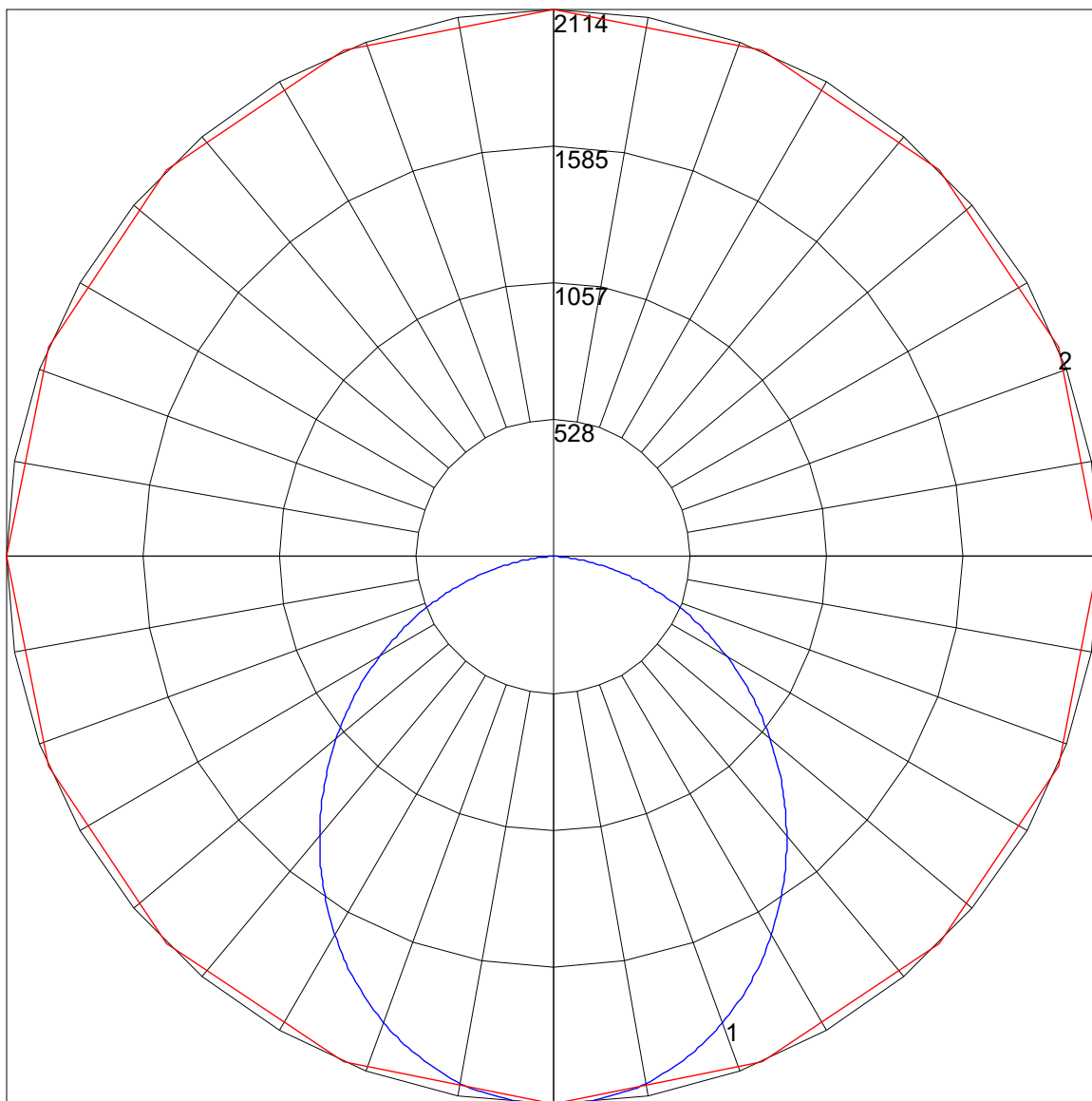
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UGR TABLE - CORRECTED

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	17.9	19.5	19.8	18.7	20.3	19.1	20.6	21.0
	3H	19.3	20.7	19.6	21.1	21.4	20.7	22.1	21.0	22.5	22.8
	4H	19.9	21.3	20.3	21.6	22.0	21.4	22.8	21.8	23.1	23.5
	6H	20.3	21.6	20.7	22.0	22.3	21.9	23.2	22.3	23.6	24.0
	8H	20.4	21.6	20.8	22.0	22.4	22.0	23.3	22.5	23.7	24.1
	12H	20.5	21.7	20.9	22.0	22.5	22.1	23.3	22.5	23.6	24.1
4H	2H	18.3	19.7	18.7	20.1	20.5	19.2	20.6	19.6	21.0	21.3
	3H	20.3	21.4	20.7	21.8	22.2	21.4	22.6	21.9	23.0	23.4
	4H	21.0	22.1	21.4	22.5	22.9	22.3	23.4	22.7	23.8	24.2
	6H	21.5	22.5	22.0	22.9	23.4	23.0	23.9	23.4	24.3	24.8
	8H	21.7	22.6	22.2	23.0	23.5	23.1	24.0	23.6	24.4	24.9
	12H	21.8	22.6	22.3	23.0	23.5	23.2	24.0	23.7	24.4	24.9
8H	4H	21.4	22.3	21.9	22.7	23.2	22.6	23.4	23.0	23.9	24.3
	6H	22.1	22.8	22.6	23.3	23.8	23.3	24.0	23.8	24.5	25.0
	8H	22.3	22.9	22.8	23.4	23.9	23.6	24.2	24.1	24.7	25.2
	12H	22.5	23.0	23.0	23.5	24.1	23.7	24.2	24.2	24.7	25.3
12H	4H	21.5	22.3	22.0	22.7	23.2	22.6	23.4	23.1	23.8	24.3
	6H	22.2	22.8	22.7	23.3	23.8	23.4	24.0	23.9	24.5	25.0
	8H	22.4	23.0	22.9	23.5	24.0	23.6	24.2	24.1	24.7	25.3

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 2113.951 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)