



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 22 SEL45 UV FA 935 @850MA.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 935

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflectors,

[MORE] two frosted linear ribbed plastic enclosures.

[LAMPCAT] Two LS3873A7_3500_90R 3500K 48 LED boards

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 850mA

[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	6001
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	42.9
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	5721	6119	6516
55	5280	5847	6437
65	4753	5522	6277
75	3978	4917	5625
85	2537	2754	2464

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	793.49	N.A.	13.20
0-30	1672.24	N.A.	27.90
0-40	2714.96	N.A.	45.20
0-60	4741.23	N.A.	79.00
0-80	5904.07	N.A.	98.40
0-90	6000.55	N.A.	100.00
10-90	5794.21	N.A.	96.60
20-40	1921.47	N.A.	32.00
20-50	2988.49	N.A.	49.80
40-70	2763.38	N.A.	46.10
60-80	1162.84	N.A.	19.40
70-80	425.73	N.A.	7.10
80-90	96.48	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	6000.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.34
10-20	587.15
20-30	878.75
30-40	1042.72
40-50	1067.02
50-60	959.24
60-70	737.12
70-80	425.73
80-90	96.48
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

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	77	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

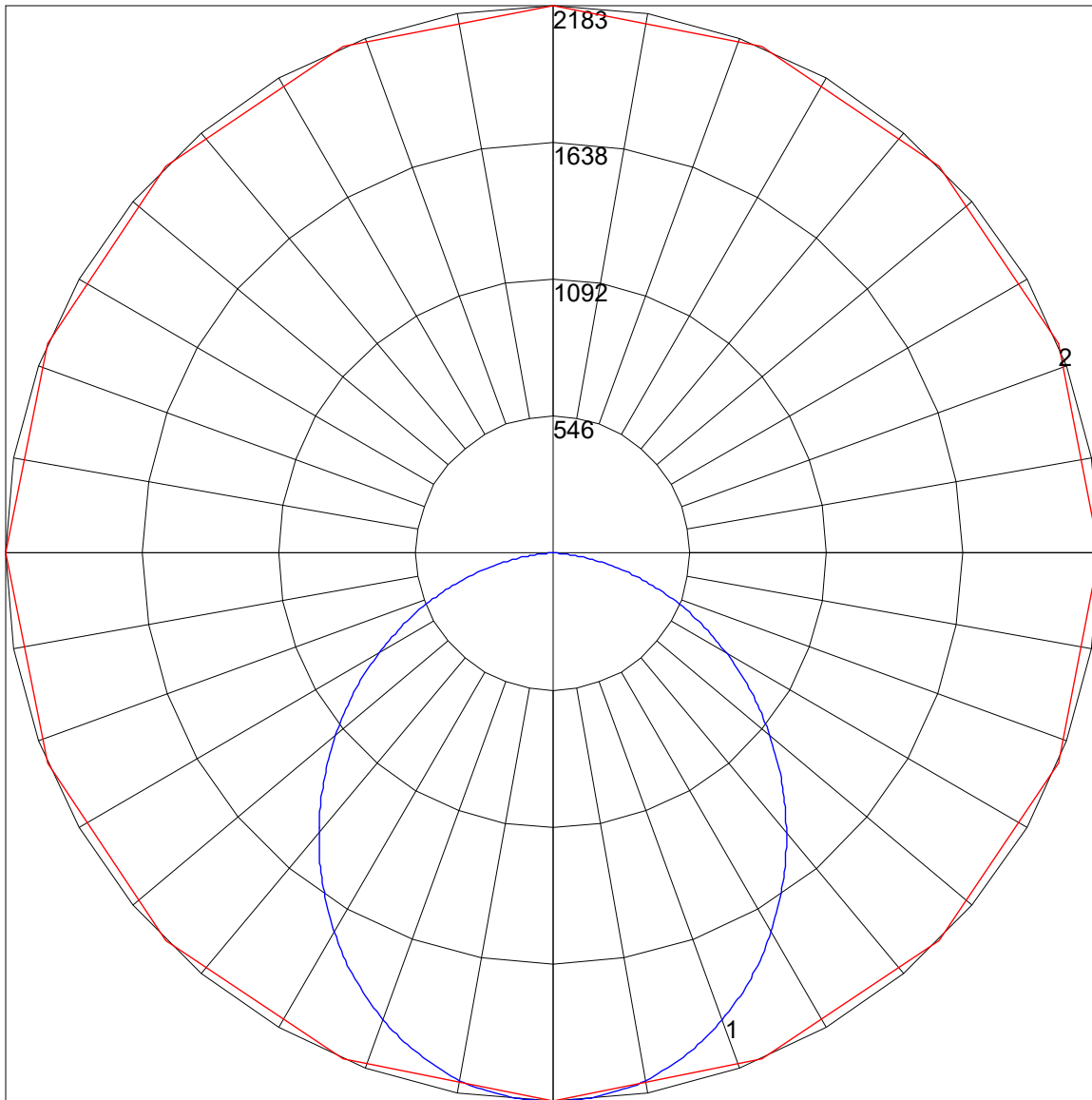
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UGR TABLE - CORRECTED

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	17.7	19.3	18.0	19.6	19.9	18.8	20.4	19.2	20.7	21.1
	3H	19.4	20.9	19.8	21.2	21.5	20.8	22.3	21.2	22.6	22.9
	4H	20.0	21.4	20.4	21.7	22.1	21.5	22.9	21.9	23.2	23.6
	6H	20.4	21.7	20.8	22.1	22.4	22.0	23.3	22.4	23.7	24.1
	8H	20.5	21.7	20.9	22.1	22.5	22.1	23.4	22.6	23.8	24.2
	12H	20.6	21.8	21.0	22.1	22.6	22.2	23.4	22.6	23.7	24.2
4H	2H	18.4	19.8	18.8	20.2	20.6	19.3	20.7	19.7	21.1	21.4
	3H	20.4	21.6	20.8	21.9	22.3	21.5	22.7	22.0	23.1	23.5
	4H	21.1	22.2	21.5	22.6	23.0	22.4	23.5	22.8	23.9	24.3
	6H	21.6	22.6	22.1	23.0	23.5	23.1	24.0	23.5	24.4	24.9
	8H	21.8	22.7	22.3	23.1	23.6	23.2	24.1	23.7	24.5	25.0
	12H	21.9	22.7	22.4	23.1	23.6	23.3	24.1	23.8	24.5	25.0
8H	4H	21.5	22.4	22.0	22.8	23.3	22.7	23.5	23.1	24.0	24.4
	6H	22.2	22.9	22.7	23.4	23.9	23.4	24.1	23.9	24.6	25.1
	8H	22.4	23.0	22.9	23.5	24.0	23.7	24.3	24.2	24.8	25.3
	12H	22.6	23.1	23.1	23.6	24.2	23.8	24.3	24.3	24.8	25.4
12H	4H	21.6	22.4	22.1	22.8	23.3	22.7	23.5	23.2	23.9	24.4
	6H	22.3	22.9	22.8	23.4	23.9	23.5	24.1	24.0	24.6	25.1
	8H	22.5	23.1	23.0	23.6	24.1	23.7	24.3	24.2	24.8	25.4

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 2183.473 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.)