



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 14 SL UV FA 940.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-027 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/28/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 14 SL UV FA 940

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

[MORE] frosted linear ribbed plastic enclosure.

[LAMP] 96 white LEDs, two LS3873A7_4000_90R 4000K LED boards

[BALLAST] One ULT D700C20UNVPW-C LED driver programmed at 260mA

[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	1934
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	14.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 ft
Luminous Width (90-270)	0.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1953	2075	2185
55	1816	1993	2146
65	1645	1883	2055
75	1382	1657	1763
85	878	806	361

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	254.25	N.A.	13.10
0-30	536.95	N.A.	27.80
0-40	873.95	N.A.	45.20
0-60	1531.87	N.A.	79.20
0-80	1906.21	N.A.	98.60
0-90	1933.98	N.A.	100.00
10-90	1867.95	N.A.	96.60
20-40	619.71	N.A.	32.00
20-50	965.82	N.A.	49.90
40-70	896.74	N.A.	46.40
60-80	374.34	N.A.	19.40
70-80	135.52	N.A.	7.00
80-90	27.77	N.A.	1.40
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	1933.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.03
10-20	188.22
20-30	282.71
30-40	337.00
40-50	346.11
50-60	311.80
60-70	238.82
70-80	135.52
80-90	27.77
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	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	71	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	32	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	30	26	24

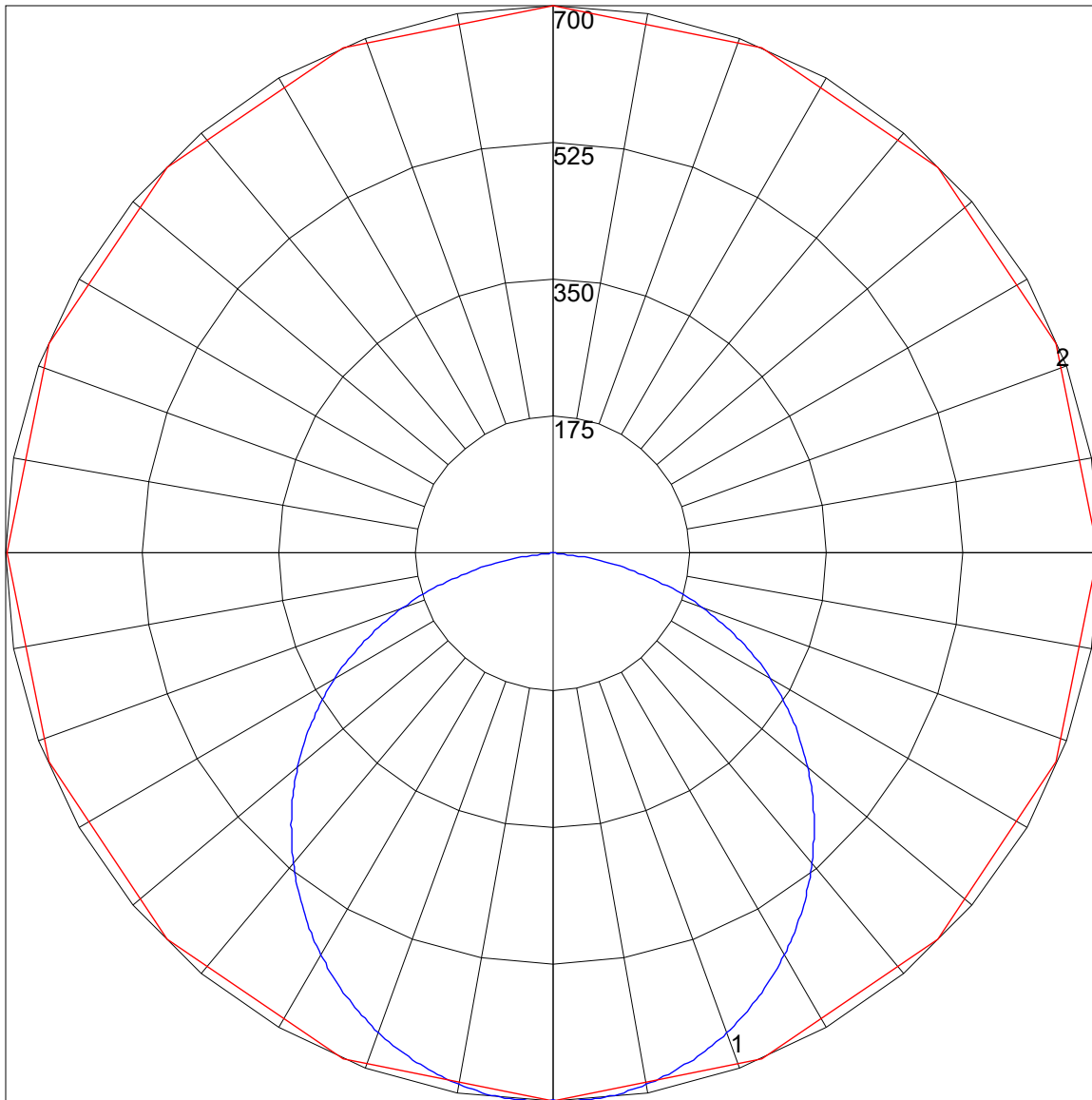
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UGR TABLE - CORRECTED

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	14.1	15.7	14.4	16.0	16.3	15.0	16.7	15.4	17.0	17.3
	3H	15.8	17.3	16.2	17.6	18.0	16.9	18.4	17.3	18.7	19.1
	4H	16.4	17.8	16.8	18.1	18.5	17.6	19.0	18.0	19.3	19.7
	6H	16.8	18.1	17.2	18.5	18.9	18.0	19.3	18.4	19.7	20.1
	8H	17.0	18.2	17.4	18.6	19.0	18.1	19.4	18.6	19.7	20.1
	12H	17.0	18.2	17.4	18.6	19.0	18.1	19.3	18.5	19.7	20.1
4H	2H	14.8	16.2	15.2	16.6	16.9	15.6	17.0	16.0	17.3	17.7
	3H	16.8	17.9	17.2	18.3	18.7	17.7	18.9	18.1	19.3	19.7
	4H	17.5	18.6	18.0	19.0	19.4	18.5	19.6	19.0	20.0	20.4
	6H	18.1	19.0	18.5	19.4	19.9	19.1	20.0	19.5	20.4	20.9
	8H	18.2	19.1	18.7	19.5	20.0	19.2	20.1	19.6	20.5	21.0
	12H	18.3	19.1	18.8	19.6	20.0	19.2	20.0	19.7	20.5	20.9
8H	4H	17.9	18.8	18.4	19.2	19.7	18.8	19.7	19.2	20.1	20.6
	6H	18.6	19.3	19.1	19.8	20.2	19.4	20.2	19.9	20.7	21.1
	8H	18.8	19.4	19.3	19.9	20.4	19.6	20.3	20.1	20.8	21.2
	12H	18.9	19.5	19.5	20.0	20.6	19.7	20.2	20.2	20.7	21.3
12H	4H	18.0	18.7	18.4	19.2	19.7	18.8	19.6	19.3	20.1	20.5
	6H	18.6	19.3	19.2	19.8	20.3	19.5	20.1	20.0	20.6	21.1
	8H	18.9	19.5	19.4	20.0	20.5	19.7	20.3	20.2	20.8	21.3

Maximum UGR = 21.3

POLAR GRAPH



Maximum Candela = 700.012 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.)