

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 14 HI 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 HI 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 D15CC55UNVPW-C LED driver programmed at 820mA

[OTHER] 120.0Vac, 60.00Hz, 0.3600A, 42.56W, 0.985PF, 7.7%THD(i)

[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	6026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	42.558
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	6085	6464	6806
55	5657	6209	6688
65	5126	5868	6401
75	4305	5163	5491
85	2737	2512	1125

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	792.15	N.A.	13.10
0-30	1672.96	N.A.	27.80
0-40	2722.94	N.A.	45.20
0-60	4772.78	N.A.	79.20
0-80	5939.11	N.A.	98.60
0-90	6025.63	N.A.	100.00
10-90	5819.9	N.A.	96.60
20-40	1930.79	N.A.	32.00
20-50	3009.16	N.A.	49.90
40-70	2793.92	N.A.	46.40
60-80	1166.33	N.A.	19.40
70-80	422.24	N.A.	7.00
80-90	86.52	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	6025.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.72
10-20	586.42
20-30	880.81
30-40	1049.98
40-50	1078.37
50-60	971.47
60-70	744.09
70-80	422.24
80-90	86.52
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	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	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

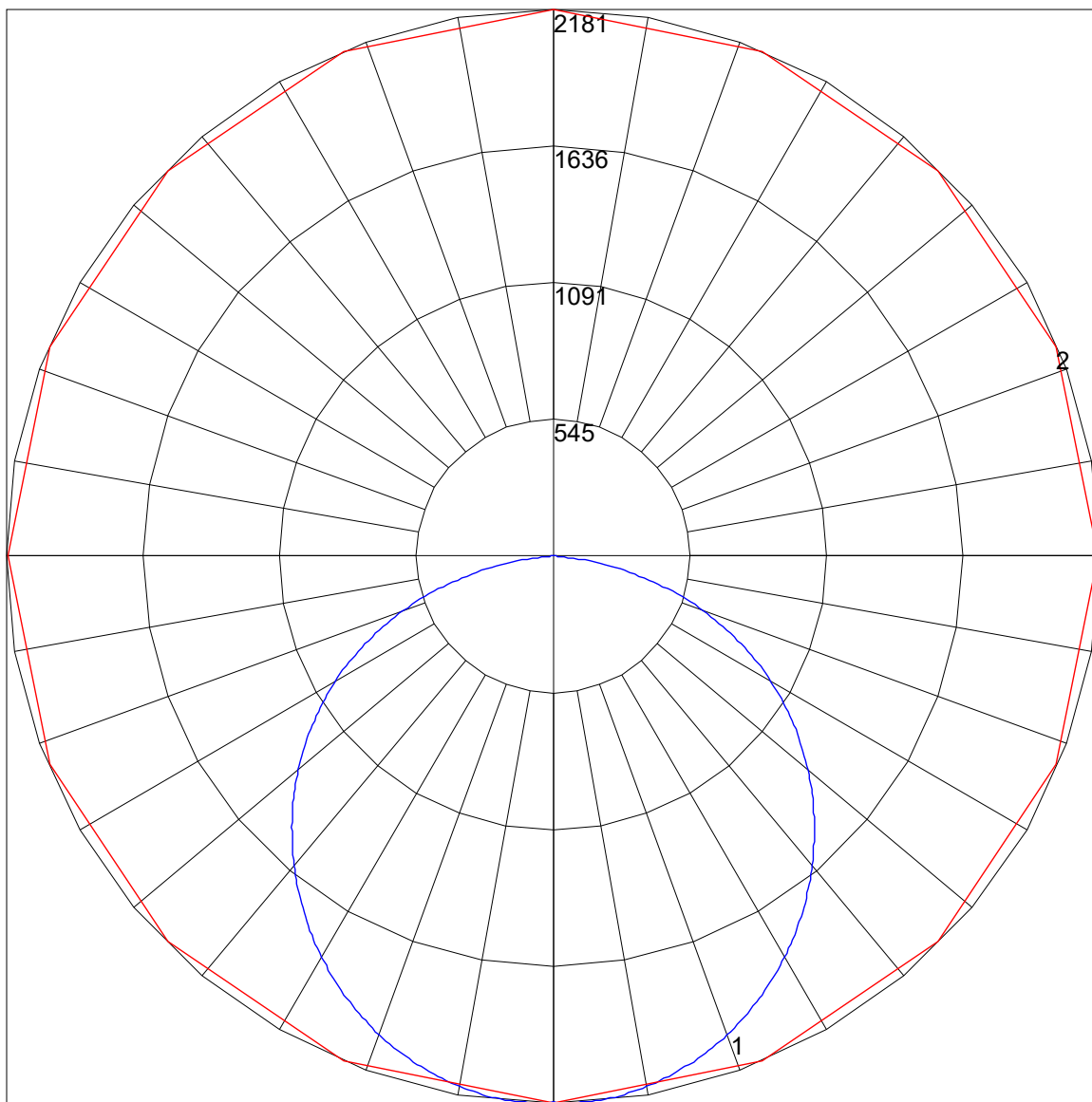
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UGR TABLE - CORRECTED

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	18.0	19.6	18.3	19.9	20.2	18.9	20.6	19.3	20.9	21.2
	3H	19.7	21.2	20.1	21.5	21.9	20.8	22.3	21.2	22.6	23.0
	4H	20.3	21.7	20.7	22.0	22.4	21.5	22.9	21.9	23.2	23.6
	6H	20.7	22.0	21.1	22.4	22.8	21.9	23.2	22.3	23.6	24.0
	8H	20.9	22.1	21.3	22.5	22.9	22.0	23.3	22.5	23.6	24.0
	12H	20.9	22.1	21.3	22.5	22.9	22.0	23.2	22.4	23.6	24.0
4H	2H	18.7	20.1	19.1	20.5	20.8	19.5	20.9	19.9	21.2	21.6
	3H	20.7	21.8	21.1	22.2	22.6	21.6	22.8	22.0	23.2	23.6
	4H	21.4	22.5	21.9	22.9	23.3	22.4	23.5	22.9	23.9	24.3
	6H	22.0	22.9	22.4	23.3	23.8	23.0	23.9	23.4	24.3	24.8
	8H	22.1	23.0	22.6	23.4	23.9	23.1	24.0	23.6	24.4	24.9
	12H	22.2	23.0	22.7	23.5	23.9	23.1	23.9	23.6	24.4	24.8
8H	4H	21.8	22.7	22.3	23.1	23.6	22.7	23.6	23.1	24.0	24.5
	6H	22.5	23.2	23.0	23.7	24.2	23.3	24.1	23.8	24.6	25.0
	8H	22.7	23.3	23.2	23.8	24.3	23.5	24.2	24.0	24.7	25.2
	12H	22.9	23.4	23.4	23.9	24.5	23.6	24.1	24.1	24.6	25.2
12H	4H	21.9	22.6	22.3	23.1	23.6	22.7	23.5	23.2	24.0	24.4
	6H	22.5	23.2	23.1	23.7	24.2	23.4	24.0	23.9	24.5	25.0
	8H	22.8	23.4	23.3	23.9	24.4	23.6	24.2	24.1	24.7	25.2

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 2181 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.)