



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 24 MD UV FA 940.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-020A (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/25/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 24 MD 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 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	5919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	41.4
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	2639	2821	2992
55	2438	2739	3020
65	2196	2699	3160
75	1841	2732	3458
85	1169	2521	3106

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	750.39	N.A.	12.70
0-30	1583.94	N.A.	26.80
0-40	2576.99	N.A.	43.50
0-60	4531.81	N.A.	76.60
0-80	5768.73	N.A.	97.50
0-90	5919.1	N.A.	100.00
10-90	5724.15	N.A.	96.70
20-40	1826.6	N.A.	30.90
20-50	2848.81	N.A.	48.10
40-70	2702.67	N.A.	45.70
60-80	1236.91	N.A.	20.90
70-80	489.07	N.A.	8.30
80-90	150.37	N.A.	2.50
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	5919.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	194.95
10-20	555.44
20-30	833.55
30-40	993.05
40-50	1022.21
50-60	932.62
60-70	747.84
70-80	489.07
80-90	150.37
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

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UGR TABLE - CORRECTED

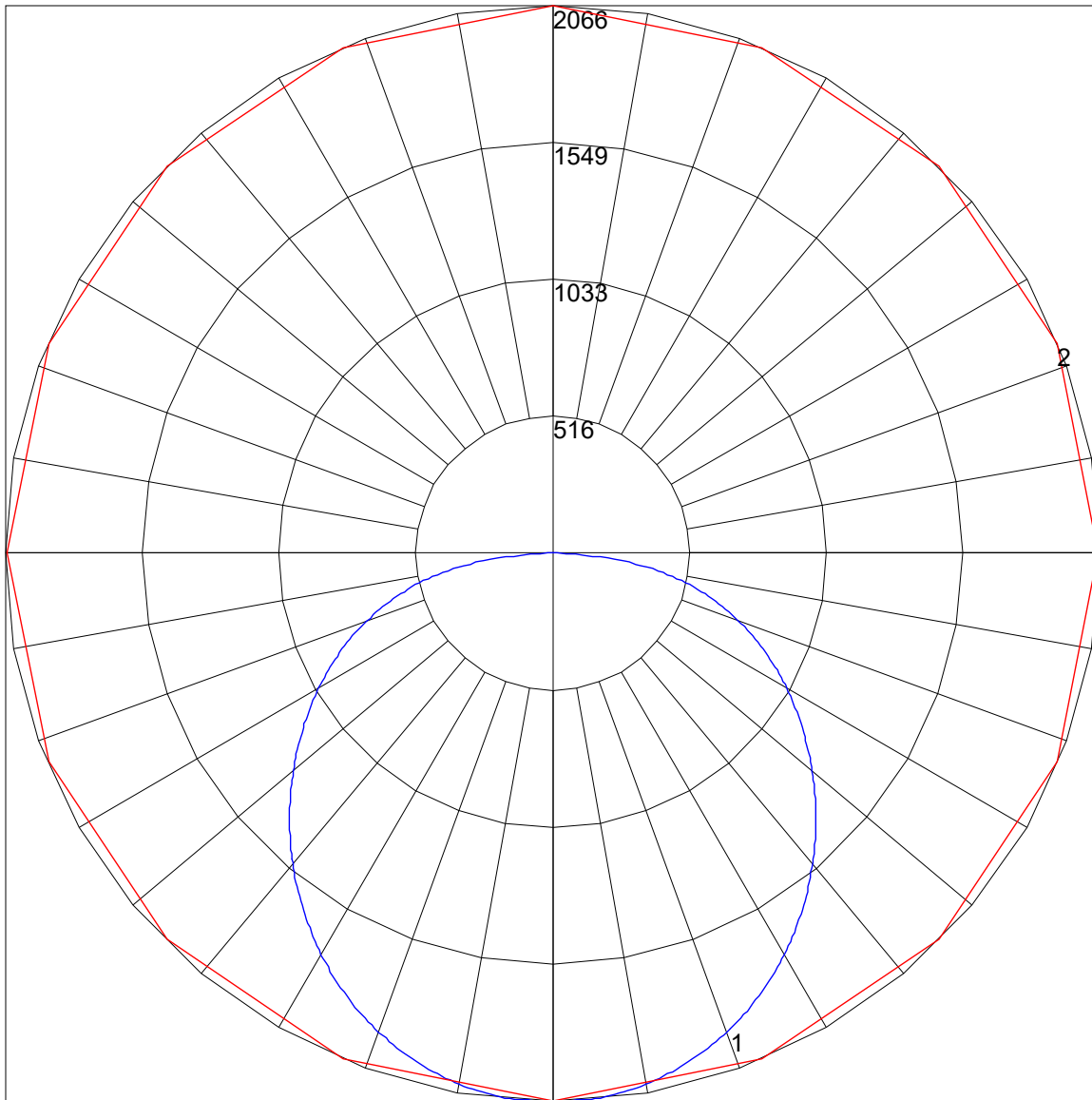
Reflectances

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	14.9	16.6	15.3	16.9	17.2	16.2	17.9	16.6	18.2	18.5
	3H	16.7	18.2	17.0	18.5	18.9	18.6	20.1	18.9	20.4	20.7
	4H	17.3	18.7	17.7	19.1	19.4	19.6	21.0	20.0	21.3	21.7
	6H	17.7	19.1	18.1	19.4	19.8	20.5	21.8	20.9	22.2	22.6
	8H	17.9	19.1	18.3	19.5	19.9	20.8	22.1	21.3	22.5	22.9
	12H	17.9	19.1	18.4	19.5	20.0	21.1	22.3	21.5	22.7	23.1
4H	2H	15.8	17.2	16.2	17.6	17.9	16.8	18.2	17.2	18.6	18.9
	3H	17.8	19.0	18.2	19.4	19.8	19.4	20.6	19.8	21.0	21.4
	4H	18.5	19.6	19.0	20.0	20.5	20.6	21.7	21.0	22.1	22.5
	6H	19.1	20.1	19.5	20.5	21.0	21.7	22.6	22.1	23.1	23.5
	8H	19.3	20.2	19.7	20.6	21.1	22.1	23.0	22.6	23.4	23.9
	12H	19.4	20.2	19.9	20.7	21.1	22.4	23.2	22.9	23.7	24.1
8H	4H	19.1	20.0	19.6	20.5	20.9	20.9	21.8	21.3	22.2	22.7
	6H	19.9	20.6	20.4	21.1	21.6	22.2	22.9	22.7	23.4	23.9
	8H	20.1	20.8	20.6	21.3	21.8	22.7	23.4	23.2	23.9	24.4
	12H	20.3	20.9	20.8	21.4	22.0	23.1	23.7	23.6	24.2	24.7
12H	4H	19.3	20.1	19.8	20.6	21.0	20.9	21.7	21.4	22.2	22.7
	6H	20.1	20.8	20.6	21.2	21.8	22.2	22.9	22.7	23.4	23.9
	8H	20.4	21.0	20.9	21.5	22.1	22.8	23.4	23.3	23.9	24.5

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 2065.979 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.)