



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 2R 24 SL UV FA 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-030 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/28/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 2R 24 SL UV FA 930

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

[MORE] two frosted linear ribbed plastic enclosures.

[LAMP] 192 white LEDs, four LS3873A7 3000_90R 3000K LED boards

[BALLAST] One ULT D700C20UNVPW-C LED driver programmed at 390mA

[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	2851
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	20.2
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	1320	1403	1478
55	1222	1347	1455
65	1105	1277	1415
75	927	1148	1268
85	585	646	481

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	373.90	N.A.	13.10
0-30	789.39	N.A.	27.70
0-40	1284.11	N.A.	45.00
0-60	2249.00	N.A.	78.90
0-80	2805.72	N.A.	98.40
0-90	2851.38	N.A.	100.00
10-90	2754.26	N.A.	96.60
20-40	910.21	N.A.	31.90
20-50	1417.81	N.A.	49.70
40-70	1317.14	N.A.	46.20
60-80	556.71	N.A.	19.50
70-80	204.47	N.A.	7.20
80-90	45.67	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	2851.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.12
10-20	276.78
20-30	415.49
30-40	494.72
40-50	507.60
50-60	457.29
60-70	352.24
70-80	204.47
80-90	45.67
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	97	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	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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UGR TABLE - CORRECTED

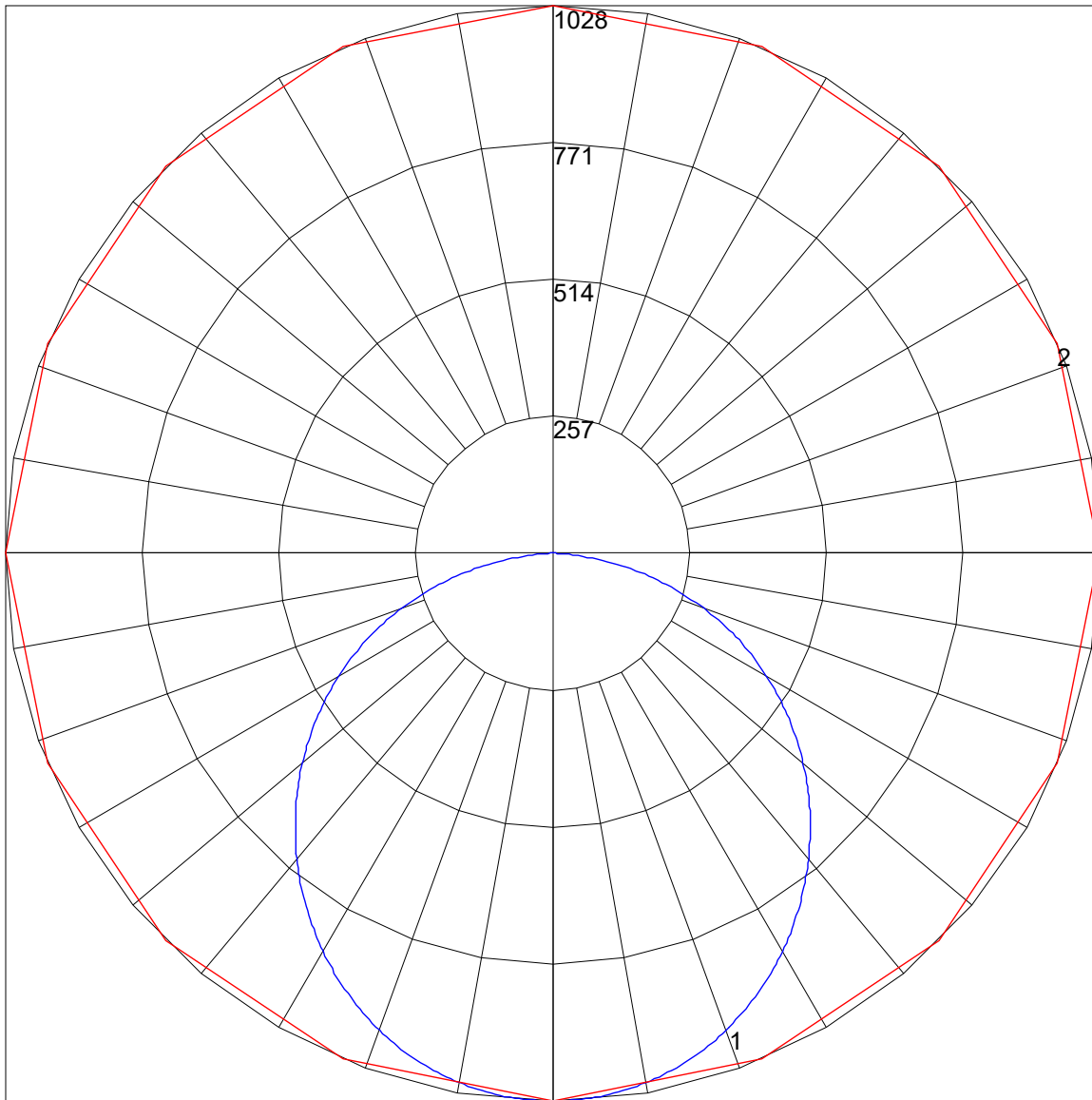
Reflectances

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	12.6	14.2	13.0	14.6	14.9	13.6	15.2	14.0	15.5	15.9
	3H	14.3	15.8	14.7	16.1	16.5	15.6	17.1	15.9	17.4	17.7
	4H	15.0	16.3	15.4	16.7	17.1	16.3	17.7	16.7	18.1	18.4
	6H	15.4	16.7	15.8	17.0	17.4	16.8	18.1	17.2	18.5	18.9
	8H	15.5	16.7	15.9	17.1	17.5	16.9	18.2	17.3	18.6	19.0
	12H	15.5	16.7	16.0	17.1	17.5	17.0	18.1	17.4	18.5	19.0
4H	2H	13.4	14.8	13.8	15.1	15.5	14.2	15.6	14.6	15.9	16.3
	3H	15.3	16.5	15.8	16.9	17.3	16.4	17.5	16.8	17.9	18.3
	4H	16.1	17.1	16.5	17.6	18.0	17.2	18.3	17.7	18.7	19.2
	6H	16.6	17.6	17.1	18.0	18.4	17.9	18.8	18.3	19.3	19.7
	8H	16.8	17.6	17.2	18.1	18.6	18.0	18.9	18.5	19.4	19.8
	12H	16.9	17.7	17.3	18.1	18.6	18.1	18.9	18.6	19.4	19.8
8H	4H	16.5	17.4	16.9	17.8	18.3	17.5	18.4	18.0	18.8	19.3
	6H	17.2	17.9	17.7	18.4	18.8	18.3	19.0	18.8	19.5	20.0
	8H	17.4	18.0	17.9	18.5	19.0	18.5	19.1	19.0	19.6	20.1
	12H	17.5	18.1	18.0	18.6	19.2	18.6	19.1	19.1	19.6	20.2
12H	4H	16.5	17.3	17.0	17.8	18.3	17.5	18.3	18.0	18.8	19.3
	6H	17.3	17.9	17.8	18.4	18.9	18.3	19.0	18.8	19.4	20.0
	8H	17.5	18.1	18.0	18.6	19.1	18.6	19.1	19.1	19.6	20.2

Maximum UGR = 20.2

POLAR GRAPH



Maximum Candela = 1028.192 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)