



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB V2 22 SEL5 UV FR 8SEL5 (35W,3000K).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD231213NB-D

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 19 January 2024

[ISSUE DATE] 2024-01-29

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] FPB v2 22 SEL5 UV FR 8SEL5 (35W,3000K)

[LUMINAIRE] 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces

[OTHER] Input Voltage=120.0 PF=0.9952 THD=9.12

[OTHER] Gamma(deg) Fz(lm) Ft(lm) %Lum %Lamp

[OTHER] 0- 10	156.29	156.29	3.22	3.22
[OTHER] 10- 20	448.67	604.96	12.46	12.46
[OTHER] 20- 30	683.25	1288.21	26.53	26.53
[OTHER] 30- 40	828.88	2117.09	43.60	43.60
[OTHER] 40- 50	865.49	2982.58	61.43	61.43
[OTHER] 50- 60	788.39	3770.98	77.67	77.67
[OTHER] 60- 70	612.13	4383.11	90.28	90.28
[OTHER] 70- 80	364.03	4747.13	97.77	97.77
[OTHER] 80- 90	102.07	4849.20	99.88	99.88
[OTHER] 90-100	0.92	4850.13	99.89	99.89
[OTHER] 100-110	0.48	4850.60	99.90	99.90
[OTHER] 110-120	0.85	4851.45	99.92	99.92
[OTHER] 120-130	0.99	4852.44	99.94	99.94
[OTHER] 130-140	0.94	4853.38	99.96	99.96
[OTHER] 140-150	0.74	4854.12	99.98	99.98
[OTHER] 150-160	0.56	4854.68	99.99	99.99
[OTHER] 160-170	0.42	4855.10	100.00	100.00
[OTHER] 170-180	0.16	4855.26	100.00	100.00
[OTHER]				

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Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4255
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.60 m
Luminous Width (90-270)	0.60 m
Luminous Height	0.00 m

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3838	3834	3865
55	3712	3716	3754
65	3531	3547	3576
75	3208	3236	3228
85	2585	2432	2459

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	530.12	N.A.	12.50
0-30	1128.85	N.A.	26.50
0-40	1855.19	N.A.	43.60
0-60	3304.48	N.A.	77.70
0-80	4159.87	N.A.	97.80
0-90	4249.32	N.A.	99.90
10-90	4112.37	N.A.	96.70
20-40	1325.07	N.A.	31.10
20-50	2083.5	N.A.	49.00
40-70	1985.69	N.A.	46.70
60-80	855.40	N.A.	20.10
70-80	318.99	N.A.	7.50
80-90	89.45	N.A.	2.10
90-110	1.23	N.A.	0.00
90-120	1.97	N.A.	0.00
90-130	2.84	N.A.	0.10
90-150	4.31	N.A.	0.10
90-180	5.30	N.A.	0.10
110-180	4.08	N.A.	0.10
0-180	4254.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	136.95
10-20	393.17
20-30	598.73
30-40	726.35
40-50	758.42
50-60	690.86
60-70	536.40
70-80	318.99
80-90	89.45
90-100	0.81
100-110	0.42
110-120	0.74
120-130	0.87
130-140	0.82
140-150	0.65
150-160	0.49
160-170	0.37
170-180	0.14

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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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	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	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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

X=2H	Y=2H	16.7	18.3	17.1	18.7	19.0	UGR Viewed Endwise	16.7	18.4	17.1	18.7	19.0
	3H	18.6	20.1	18.9	20.4	20.8		18.6	20.1	19.0	20.4	20.8
	4H	19.3	20.7	19.7	21.1	21.4		19.3	20.7	19.7	21.1	21.5
	6H	19.9	21.2	20.3	21.5	21.9		19.9	21.2	20.3	21.6	21.9
	8H	20.0	21.3	20.4	21.7	22.1		20.0	21.3	20.5	21.7	22.1
	12H	20.2	21.4	20.6	21.7	22.2		20.2	21.4	20.6	21.8	22.2

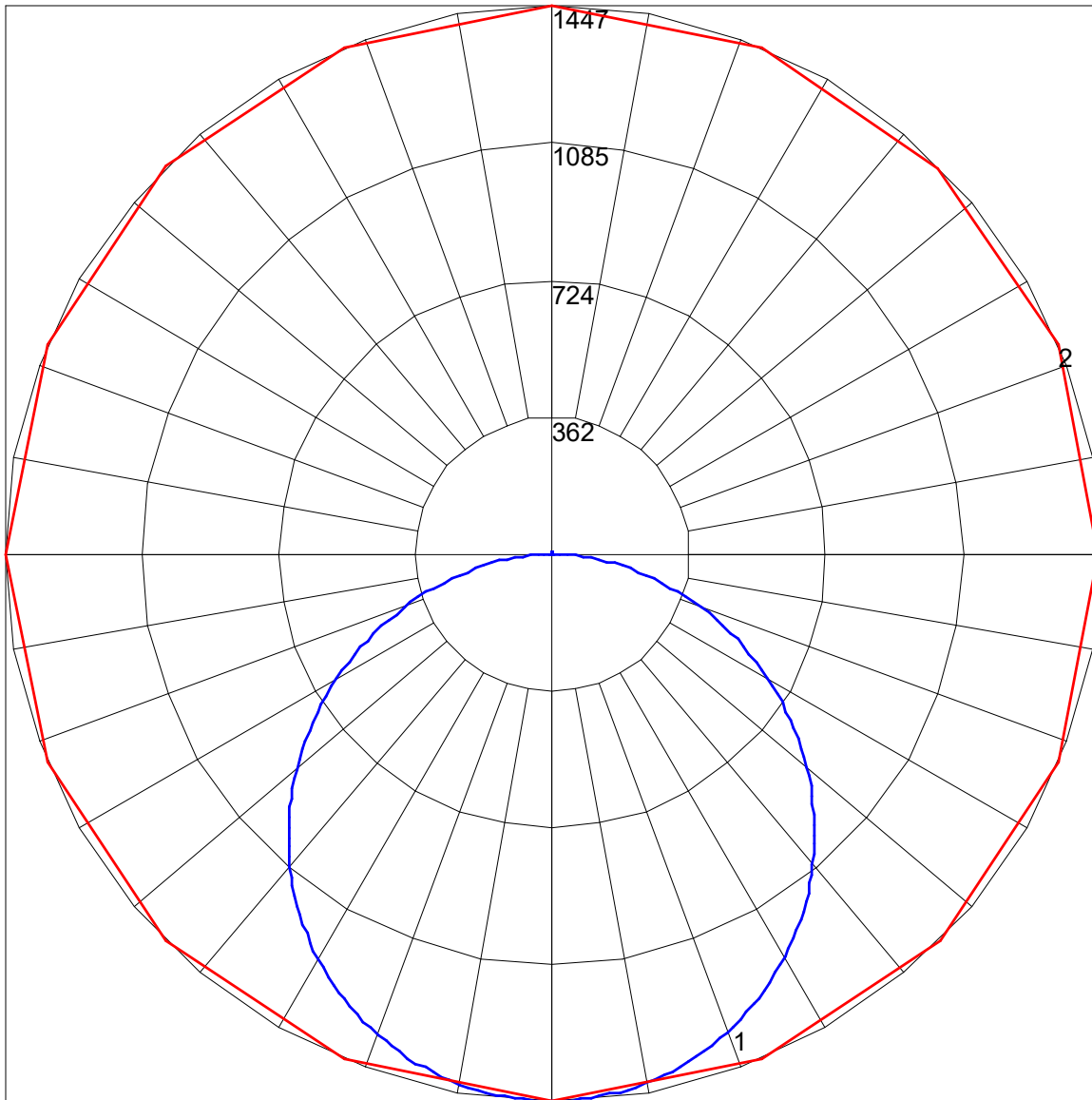
4H	2H	17.3	18.8	17.7	19.1	19.5	17.4	18.8	17.8	19.1	19.5
	3H	19.5	20.7	19.9	21.1	21.5	19.5	20.7	19.9	21.1	21.5
	4H	20.3	21.4	20.8	21.8	22.3	20.4	21.4	20.8	21.8	22.3
	6H	21.0	22.0	21.5	22.4	22.9	21.0	22.0	21.5	22.4	22.9
	8H	21.3	22.1	21.7	22.6	23.1	21.2	22.1	21.7	22.6	23.0
	12H	21.4	22.2	21.9	22.7	23.2	21.4	22.2	21.9	22.7	23.1

8H	4H	20.7	21.6	21.1	22.0	22.5	20.7	21.6	21.1	22.0	22.5
	6H	21.5	22.2	22.0	22.7	23.2	21.5	22.2	22.0	22.7	23.2
	8H	21.8	22.5	22.3	23.0	23.5	21.8	22.4	22.3	23.0	23.4
	12H	22.1	22.7	22.6	23.2	23.7	22.0	22.6	22.5	23.1	23.7

12H	4H	20.7	21.5	21.2	22.0	22.5	20.7	21.5	21.2	22.0	22.5
	6H	21.6	22.3	22.1	22.7	23.3	21.6	22.2	22.1	22.7	23.2
	8H	22.0	22.5	22.5	23.0	23.6	21.9	22.5	22.4	23.0	23.5

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 1447.311 Located At Horizontal Angle = 22.5, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)