



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 SEL(36W) UV FR 8SEL(3500K).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 14 October 2019

[ISSUEDATE] 2019-10-14 11:10:43

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 22 SEL(36W) UV FR 8SEL(3500K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	146.82	146.82	3.26	3.26
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[OTHER]	10- 20	420.95	567.78	12.59	12.59
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[OTHER]	20- 30	639.45	1207.22	26.78	26.78
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[OTHER]	30- 40	773.62	1980.84	43.94	43.94
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[OTHER]	40- 50	805.82	2786.66	61.81	61.81
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[OTHER]	50- 60	731.41	3518.08	78.04	78.04
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[OTHER]	60- 70	562.10	4080.18	90.50	90.50
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[OTHER]	70- 80	330.44	4410.61	97.83	97.83
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[OTHER]	80- 90	91.03	4501.65	99.85	99.85
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[OTHER]	90-100	1.64	4503.29	99.89	99.89
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[OTHER]	100-110	0.54	4503.83	99.90	99.90
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[OTHER]	110-120	0.81	4504.64	99.92	99.92
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[OTHER]	120-130	0.93	4505.58	99.94	99.94
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[OTHER]	130-140	0.92	4506.49	99.96	99.96
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[OTHER]	140-150	0.74	4507.23	99.98	99.98
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[OTHER]	150-160	0.54	4507.77	99.99	99.99
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[OTHER]	160-170	0.38	4508.15	100.00	100.00
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[OTHER]	170-180	0.14	4508.29	100.00	100.00
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[OTHER]

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**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4508
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.95 ft
Luminous Width (90-270)	1.95 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4120	4150	4204
55	3959	3994	4069
65	3698	3743	3843
75	3258	3329	3467
85	2266	2343	2681

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	567.78	N.A.	12.60
0-30	1207.22	N.A.	26.80
0-40	1980.84	N.A.	43.90
0-60	3518.08	N.A.	78.00
0-80	4410.61	N.A.	97.80
0-90	4501.65	N.A.	99.90
10-90	4354.82	N.A.	96.60
20-40	1413.07	N.A.	31.30
20-50	2218.89	N.A.	49.20
40-70	2099.33	N.A.	46.60
60-80	892.54	N.A.	19.80
70-80	330.44	N.A.	7.30
80-90	91.03	N.A.	2.00
90-110	2.18	N.A.	0.00
90-120	3.00	N.A.	0.10
90-130	3.93	N.A.	0.10
90-150	5.59	N.A.	0.10
90-180	6.64	N.A.	0.10
110-180	4.46	N.A.	0.10
0-180	4508.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	146.82
10-20	420.95
20-30	639.45
30-40	773.62
40-50	805.82
50-60	731.41
60-70	562.10
70-80	330.44
80-90	91.03
90-100	1.64
100-110	0.54
110-120	0.81
120-130	0.93
130-140	0.92
140-150	0.74
150-160	0.54
160-170	0.38
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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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**UGR TABLE - CORRECTED**

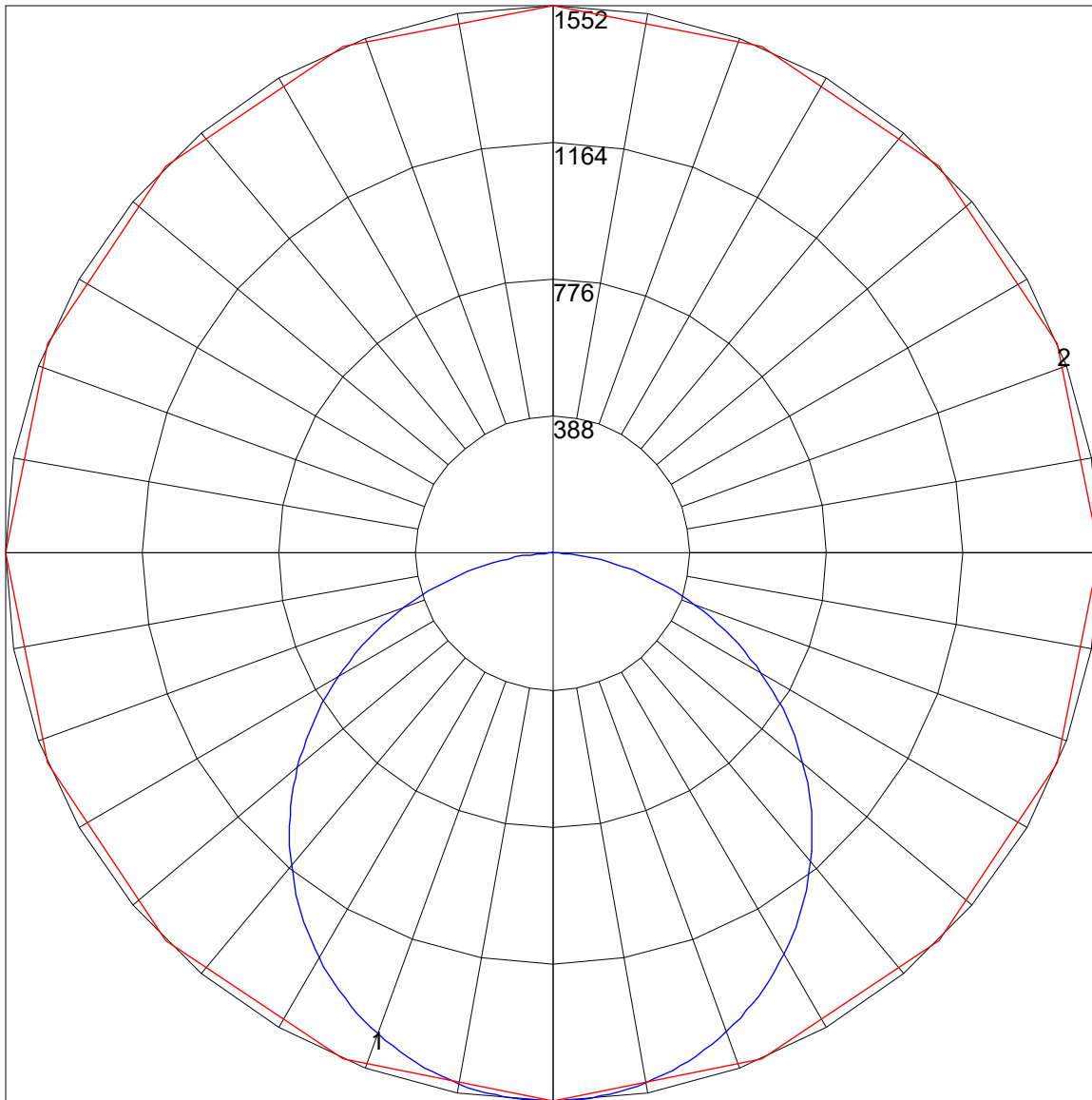
Reflectances

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	16.8	18.5	17.2	18.8	19.1	17.0	18.7	17.4	19.0	19.3
	3H	18.6	20.2	19.0	20.5	20.8	18.9	20.4	19.2	20.7	21.1
	4H	19.3	20.8	19.7	21.1	21.5	19.6	21.0	20.0	21.4	21.7
	6H	19.8	21.1	20.2	21.5	21.9	20.1	21.4	20.5	21.8	22.2
	8H	20.0	21.2	20.4	21.6	22.0	20.3	21.6	20.7	21.9	22.3
	12H	20.1	21.3	20.5	21.7	22.1	20.4	21.6	20.8	22.0	22.4
4H	2H	17.5	18.9	17.9	19.3	19.6	17.7	19.1	18.1	19.4	19.8
	3H	19.5	20.7	19.9	21.1	21.5	19.8	20.9	20.2	21.3	21.7
	4H	20.3	21.4	20.8	21.8	22.3	20.6	21.7	21.0	22.1	22.5
	6H	21.0	21.9	21.4	22.4	22.8	21.3	22.2	21.7	22.6	23.1
	8H	21.2	22.1	21.6	22.5	23.0	21.5	22.4	21.9	22.8	23.3
	12H	21.3	22.1	21.8	22.6	23.0	21.7	22.4	22.1	22.9	23.4
8H	4H	20.7	21.6	21.1	22.0	22.5	20.9	21.8	21.4	22.3	22.7
	6H	21.4	22.2	21.9	22.6	23.1	21.7	22.5	22.2	22.9	23.4
	8H	21.7	22.4	22.2	22.9	23.3	22.0	22.7	22.5	23.2	23.7
	12H	21.9	22.5	22.4	23.0	23.5	22.3	22.8	22.8	23.3	23.9
12H	4H	20.7	21.5	21.2	22.0	22.4	21.0	21.8	21.5	22.2	22.7
	6H	21.5	22.2	22.0	22.6	23.2	21.8	22.5	22.3	22.9	23.5
	8H	21.8	22.4	22.3	22.9	23.4	22.2	22.7	22.7	23.2	23.8

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 1551.62 Located At Horizontal Angle = 225, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)