



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 SEL(30W) 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 11:08:36

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 22 SEL(30W) UV FR 8SEL(3500K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	119.34	119.34	3.26	3.26
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[OTHER]	10- 20	342.13	461.47	12.60	12.60
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[OTHER]	20- 30	519.71	981.17	26.79	26.79
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[OTHER]	30- 40	628.76	1609.93	43.95	43.95
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[OTHER]	40- 50	654.92	2264.85	61.83	61.83
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[OTHER]	50- 60	594.44	2859.28	78.06	78.06
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[OTHER]	60- 70	456.81	3316.09	90.53	90.53
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[OTHER]	70- 80	268.49	3584.58	97.86	97.86
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[OTHER]	80- 90	73.85	3658.42	99.88	99.88
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[OTHER]	90-100	0.81	3659.23	99.90	99.90
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[OTHER]	100-110	0.40	3659.63	99.91	99.91
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[OTHER]	110-120	0.60	3660.23	99.93	99.93
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[OTHER]	120-130	0.70	3660.93	99.94	99.94
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[OTHER]	130-140	0.68	3661.61	99.96	99.96
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[OTHER]	140-150	0.56	3662.17	99.98	99.98
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[OTHER]	150-160	0.42	3662.59	99.99	99.99
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[OTHER]	160-170	0.28	3662.87	100.00	100.00
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[OTHER]	170-180	0.11	3662.98	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	3663
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	29.2
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	3350	3373	3416
55	3218	3247	3307
65	3006	3042	3125
75	2647	2705	2817
85	1843	1904	2176

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	461.47	N.A.	12.60
0-30	981.17	N.A.	26.80
0-40	1609.93	N.A.	44.00
0-60	2859.28	N.A.	78.10
0-80	3584.58	N.A.	97.90
0-90	3658.42	N.A.	99.90
10-90	3539.09	N.A.	96.60
20-40	1148.46	N.A.	31.40
20-50	1803.38	N.A.	49.20
40-70	1706.16	N.A.	46.60
60-80	725.30	N.A.	19.80
70-80	268.49	N.A.	7.30
80-90	73.84	N.A.	2.00
90-110	1.21	N.A.	0.00
90-120	1.81	N.A.	0.00
90-130	2.51	N.A.	0.10
90-150	3.74	N.A.	0.10
90-180	4.55	N.A.	0.10
110-180	3.35	N.A.	0.10
0-180	3662.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	119.34
10-20	342.13
20-30	519.71
30-40	628.76
40-50	654.92
50-60	594.44
60-70	456.81
70-80	268.49
80-90	73.84
90-100	0.81
100-110	0.40
110-120	0.60
120-130	0.70
130-140	0.68
140-150	0.56
150-160	0.42
160-170	0.29
170-180	0.11

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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	26	24

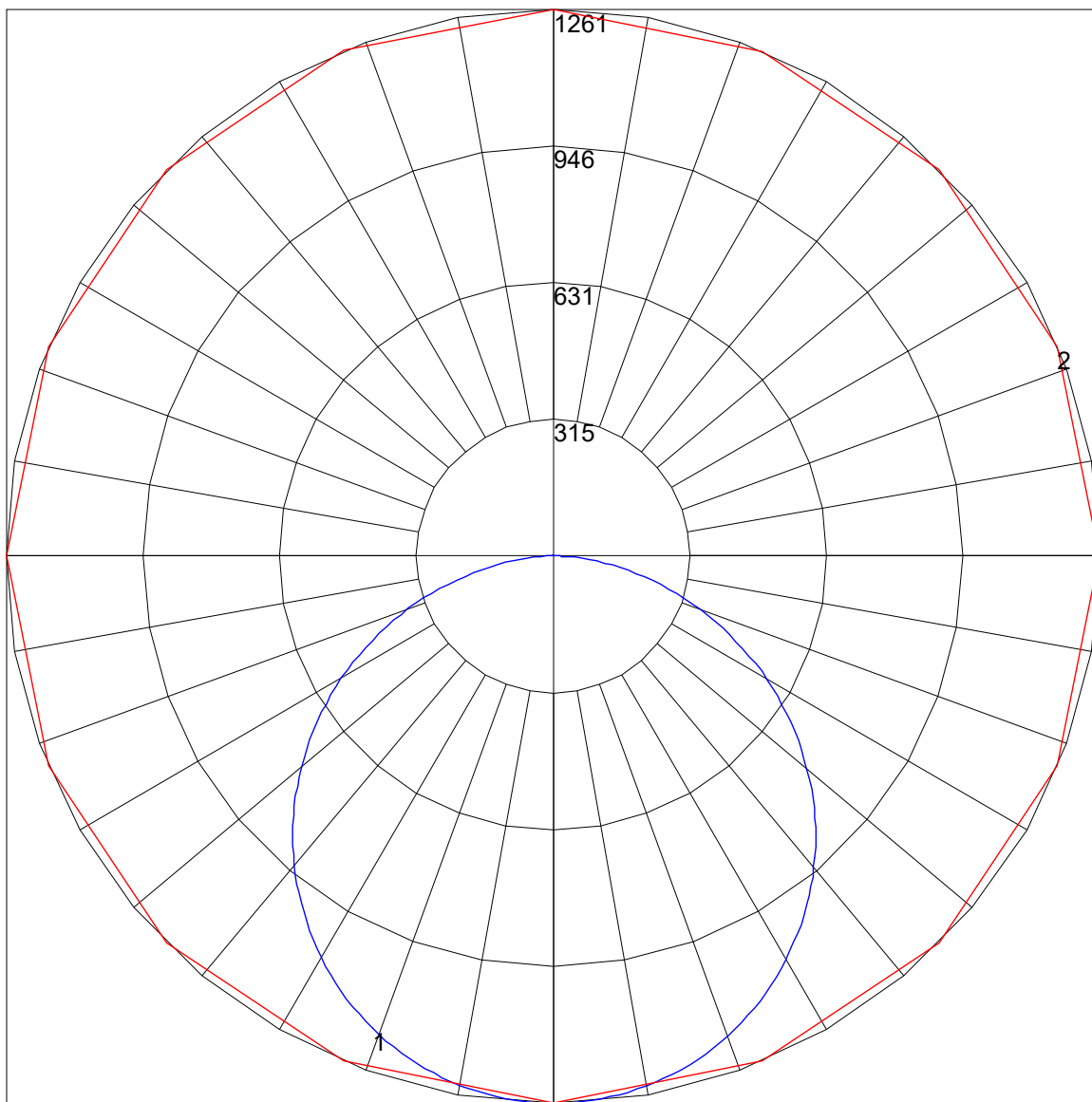
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**UGR TABLE - CORRECTED**

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	16.2	17.8	16.5	18.1	18.4	16.3	18.0	16.7	18.3	18.6
	3H	18.0	19.5	18.3	19.8	20.1	18.2	19.7	18.5	20.0	20.4
	4H	18.6	20.1	19.0	20.4	20.8	18.9	20.3	19.3	20.7	21.0
	6H	19.1	20.5	19.6	20.8	21.2	19.4	20.7	19.8	21.1	21.5
	8H	19.3	20.5	19.7	20.9	21.3	19.6	20.9	20.0	21.2	21.6
	12H	19.4	20.6	19.8	21.0	21.4	19.7	20.9	20.1	21.3	21.7
4H	2H	16.8	18.2	17.2	18.6	18.9	17.0	18.4	17.4	18.7	19.1
	3H	18.8	20.0	19.2	20.4	20.8	19.1	20.2	19.5	20.6	21.0
	4H	19.6	20.7	20.1	21.1	21.6	19.9	21.0	20.3	21.4	21.8
	6H	20.3	21.2	20.7	21.7	22.1	20.6	21.5	21.0	22.0	22.4
	8H	20.5	21.4	20.9	21.8	22.3	20.8	21.7	21.3	22.1	22.6
	12H	20.6	21.4	21.1	21.9	22.3	21.0	21.8	21.4	22.2	22.7
8H	4H	20.0	20.9	20.4	21.3	21.8	20.2	21.1	20.7	21.6	22.0
	6H	20.7	21.5	21.2	21.9	22.4	21.0	21.8	21.5	22.2	22.7
	8H	21.0	21.7	21.5	22.2	22.6	21.3	22.0	21.8	22.5	23.0
	12H	21.2	21.8	21.7	22.3	22.8	21.6	22.1	22.1	22.6	23.2
12H	4H	20.0	20.8	20.5	21.3	21.8	20.3	21.1	20.8	21.5	22.0
	6H	20.8	21.5	21.3	21.9	22.5	21.1	21.8	21.6	22.2	22.8
	8H	21.1	21.7	21.6	22.2	22.7	21.5	22.0	22.0	22.5	23.1

Maximum UGR = 23.2

POLAR GRAPH



Maximum Candela = 1261.15 Located At Horizontal Angle = 270, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)