



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 SEL(20W) UV FR 8SEL(4000K).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 25 October 2019

[ISSUEDATE] 2019-10-25 15:02:50

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 22 SEL(20W) UV FR 8SEL(4000K)

[OTHER]

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

[OTHER]	0- 10	122.19	122.19	3.25	3.25
---------	-------	--------	--------	------	------

[OTHER]	10- 20	350.25	472.44	12.58	12.58
---------	--------	--------	--------	-------	-------

[OTHER]	20- 30	531.70	1004.14	26.75	26.75
---------	--------	--------	---------	-------	-------

[OTHER]	30- 40	642.79	1646.93	43.87	43.87
---------	--------	--------	---------	-------	-------

[OTHER]	40- 50	669.18	2316.11	61.69	61.69
---------	--------	--------	---------	-------	-------

[OTHER]	50- 60	607.79	2923.90	77.88	77.88
---------	--------	--------	---------	-------	-------

[OTHER]	60- 70	469.14	3393.05	90.37	90.37
---------	--------	--------	---------	-------	-------

[OTHER]	70- 80	278.89	3671.94	97.80	97.80
---------	--------	--------	---------	-------	-------

[OTHER]	80- 90	77.76	3749.69	99.87	99.87
---------	--------	-------	---------	-------	-------

[OTHER]	90-100	0.87	3750.57	99.90	99.90
---------	--------	------	---------	-------	-------

[OTHER]	100-110	0.40	3750.96	99.91	99.91
---------	---------	------	---------	-------	-------

[OTHER]	110-120	0.63	3751.59	99.92	99.92
---------	---------	------	---------	-------	-------

[OTHER]	120-130	0.73	3752.32	99.94	99.94
---------	---------	------	---------	-------	-------

[OTHER]	130-140	0.72	3753.04	99.96	99.96
---------	---------	------	---------	-------	-------

[OTHER]	140-150	0.58	3753.62	99.98	99.98
---------	---------	------	---------	-------	-------

[OTHER]	150-160	0.43	3754.05	99.99	99.99
---------	---------	------	---------	-------	-------

[OTHER]	160-170	0.31	3754.36	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]	170-180	0.11	3754.47	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 22 SEL(20W) UV FR 8SEL(4000K).IES**

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2536
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
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	2301	2326	2369
55	2207	2241	2299
65	2064	2110	2190
75	1829	1897	2015
85	1262	1336	1579

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 22 SEL(20W) UV FR 8SEL(4000K).IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	319.16	N.A.	12.60
0-30	678.34	N.A.	26.70
0-40	1112.58	N.A.	43.90
0-60	1975.23	N.A.	77.90
0-80	2480.56	N.A.	97.80
0-90	2533.09	N.A.	99.90
10-90	2450.54	N.A.	96.60
20-40	793.42	N.A.	31.30
20-50	1245.48	N.A.	49.10
40-70	1179.58	N.A.	46.50
60-80	505.33	N.A.	19.90
70-80	188.40	N.A.	7.40
80-90	52.53	N.A.	2.10
90-110	0.86	N.A.	0.00
90-120	1.28	N.A.	0.10
90-130	1.77	N.A.	0.10
90-150	2.65	N.A.	0.10
90-180	3.23	N.A.	0.10
110-180	2.37	N.A.	0.10
0-180	2536.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.55
10-20	236.61
20-30	359.19
30-40	434.23
40-50	452.06
50-60	410.59
60-70	316.93
70-80	188.40
80-90	52.53
90-100	0.59
100-110	0.27
110-120	0.42
120-130	0.50
130-140	0.48
140-150	0.39
150-160	0.29
160-170	0.21
170-180	0.08

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 SEL(20W) UV FR 8SEL(4000K).IES

## 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	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
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	42	34	29	55	42	34	29	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 22 SEL(20W) UV FR 8SEL(4000K).IES**

**UGR TABLE - CORRECTED**

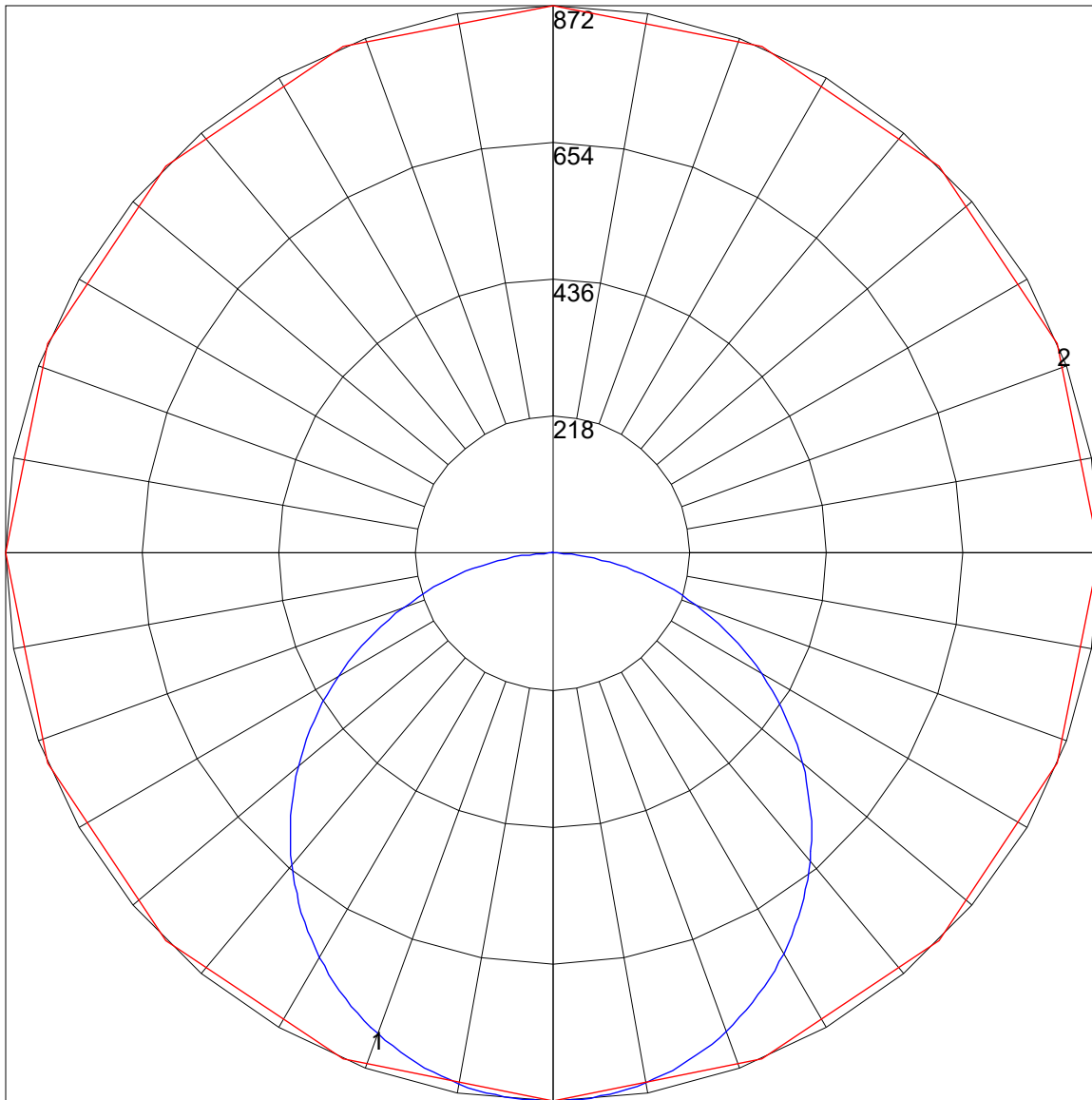
Reflectances

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	14.8	16.4	15.2	16.8	17.1	15.0	16.7	15.4	17.0	17.3
	3H	16.6	18.1	17.0	18.4	18.8	16.9	18.4	17.3	18.8	19.1
	4H	17.3	18.7	17.7	19.1	19.4	17.7	19.1	18.1	19.4	19.8
	6H	17.8	19.1	18.2	19.5	19.9	18.2	19.6	18.7	19.9	20.3
	8H	17.9	19.2	18.4	19.6	20.0	18.4	19.7	18.8	20.1	20.5
	12H	18.0	19.3	18.5	19.6	20.1	18.5	19.8	19.0	20.1	20.6
4H	2H	15.5	16.9	15.9	17.2	17.6	15.7	17.1	16.1	17.4	17.8
	3H	17.5	18.7	17.9	19.1	19.5	17.8	19.0	18.2	19.4	19.8
	4H	18.3	19.4	18.8	19.8	20.2	18.7	19.8	19.1	20.2	20.6
	6H	18.9	19.9	19.4	20.3	20.8	19.4	20.3	19.8	20.8	21.2
	8H	19.1	20.0	19.6	20.5	20.9	19.6	20.5	20.1	20.9	21.4
	12H	19.3	20.1	19.8	20.6	21.0	19.8	20.6	20.3	21.1	21.5
8H	4H	18.6	19.5	19.1	20.0	20.4	19.0	19.9	19.5	20.3	20.8
	6H	19.4	20.2	19.9	20.6	21.1	19.8	20.6	20.3	21.1	21.5
	8H	19.7	20.4	20.2	20.9	21.3	20.2	20.8	20.7	21.3	21.8
	12H	19.9	20.5	20.4	21.0	21.5	20.4	21.0	20.9	21.5	22.0
12H	4H	18.7	19.5	19.2	20.0	20.4	19.1	19.9	19.5	20.3	20.8
	6H	19.5	20.2	20.0	20.6	21.2	19.9	20.6	20.4	21.1	21.6
	8H	19.8	20.4	20.3	20.9	21.4	20.3	20.9	20.8	21.4	21.9

Maximum UGR = 22.0

POLAR GRAPH



Maximum Candela = 872.393 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.)