



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 SEL(50W) 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 11:13:01

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 SEL(50W) UV FR 8SEL(3500K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	197.55	197.55	3.20	3.20
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[OTHER]	10- 20	568.22	765.76	12.39	12.39
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[OTHER]	20- 30	867.56	1633.32	26.44	26.44
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[OTHER]	30- 40	1055.66	2688.98	43.52	43.52
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[OTHER]	40- 50	1105.19	3794.17	61.41	61.41
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[OTHER]	50- 60	1007.08	4801.25	77.71	77.71
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[OTHER]	60- 70	777.39	5578.64	90.30	90.30
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[OTHER]	70- 80	460.91	6039.55	97.76	97.76
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[OTHER]	80- 90	132.28	6171.83	99.90	99.90
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[OTHER]	90-100	1.61	6173.44	99.92	99.92
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[OTHER]	100-110	1.03	6174.47	99.94	99.94
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[OTHER]	110-120	1.01	6175.48	99.96	99.96
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[OTHER]	120-130	0.76	6176.25	99.97	99.97
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[OTHER]	130-140	0.61	6176.86	99.98	99.98
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[OTHER]	140-150	0.48	6177.34	99.99	99.99
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[OTHER]	150-160	0.37	6177.71	99.99	99.99
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[OTHER]	160-170	0.27	6177.98	100.00	100.00
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[OTHER]	170-180	0.10	6178.08	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	6178
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	49.3
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)	3.95 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	2788	2824	2836
55	2680	2730	2757
65	2509	2575	2622
75	2221	2302	2392
85	1629	1706	1866

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	765.76	N.A.	12.40
0-30	1633.32	N.A.	26.40
0-40	2688.98	N.A.	43.50
0-60	4801.25	N.A.	77.70
0-80	6039.55	N.A.	97.80
0-90	6171.83	N.A.	99.90
10-90	5974.28	N.A.	96.70
20-40	1923.21	N.A.	31.10
20-50	3028.41	N.A.	49.00
40-70	2889.66	N.A.	46.80
60-80	1238.3	N.A.	20.00
70-80	460.91	N.A.	7.50
80-90	132.28	N.A.	2.10
90-110	2.64	N.A.	0.00
90-120	3.65	N.A.	0.10
90-130	4.42	N.A.	0.10
90-150	5.51	N.A.	0.10
90-180	6.25	N.A.	0.10
110-180	3.61	N.A.	0.10
0-180	6178.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	197.55
10-20	568.22
20-30	867.56
30-40	1055.66
40-50	1105.19
50-60	1007.08
60-70	777.39
70-80	460.91
80-90	132.28
90-100	1.61
100-110	1.03
110-120	1.01
120-130	0.76
130-140	0.61
140-150	0.48
150-160	0.37
160-170	0.27
170-180	0.10

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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	53	66	58	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	35	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	38	31	26	37	30	26	37	30	25	36	30	25	23

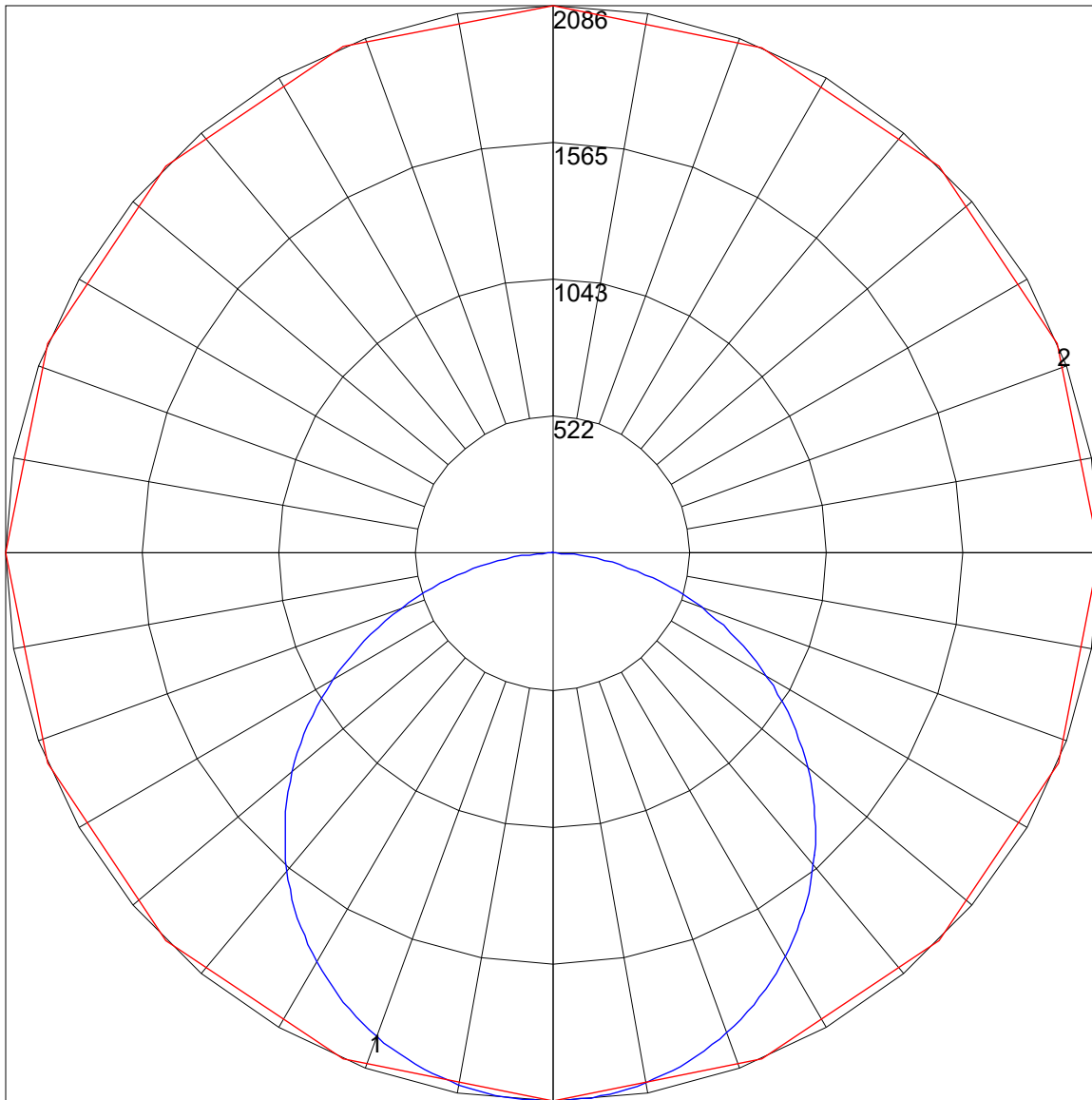
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**UGR TABLE - CORRECTED**

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	15.5	17.2	15.9	17.5	17.8	15.7	17.4	16.1	17.7	18.0
	3H	17.3	18.9	17.7	19.2	19.5	17.6	19.1	18.0	19.4	19.8
	4H	18.0	19.4	18.4	19.8	20.2	18.3	19.7	18.7	20.1	20.5
	6H	18.5	19.9	19.0	20.2	20.6	18.9	20.2	19.3	20.5	20.9
	8H	18.7	20.0	19.1	20.3	20.7	19.0	20.3	19.5	20.7	21.1
	12H	18.8	20.0	19.2	20.4	20.8	19.2	20.4	19.6	20.8	21.2
4H	2H	16.2	17.6	16.6	17.9	18.3	16.4	17.8	16.8	18.1	18.5
	3H	18.2	19.4	18.6	19.8	20.2	18.5	19.7	18.9	20.1	20.5
	4H	19.1	20.1	19.5	20.5	21.0	19.3	20.4	19.8	20.8	21.3
	6H	19.7	20.6	20.1	21.1	21.5	20.0	21.0	20.5	21.4	21.9
	8H	19.9	20.8	20.4	21.2	21.7	20.3	21.1	20.7	21.6	22.1
	12H	20.0	20.8	20.5	21.3	21.8	20.4	21.2	20.9	21.7	22.2
8H	4H	19.4	20.3	19.8	20.7	21.2	19.7	20.6	20.1	21.0	21.5
	6H	20.1	20.9	20.6	21.4	21.9	20.5	21.2	21.0	21.7	22.2
	8H	20.4	21.1	20.9	21.6	22.1	20.8	21.5	21.3	22.0	22.5
	12H	20.7	21.2	21.2	21.7	22.3	21.1	21.6	21.6	22.1	22.7
12H	4H	19.4	20.2	19.9	20.7	21.2	19.7	20.5	20.2	21.0	21.5
	6H	20.2	20.9	20.8	21.4	21.9	20.6	21.3	21.1	21.7	22.3
	8H	20.6	21.1	21.1	21.6	22.2	21.0	21.5	21.5	22.0	22.6

Maximum UGR = 22.7

POLAR GRAPH



Maximum Candela = 2086.34 Located At Horizontal Angle = 247.5, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (247.5 - 67.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)