



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 SEL(30W) UV FR 8SEL(5000K).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 26 December 2019

[ISSUEDATE] 2020-12-26 11:31:50

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 SEL(30W) UV FR 8SEL(5000K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	198.50	198.50	3.19	3.19
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[OTHER]	10- 20	570.86	769.36	12.36	12.36
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[OTHER]	20- 30	871.48	1640.83	26.35	26.35
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[OTHER]	30- 40	1060.14	2700.97	43.38	43.38
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[OTHER]	40- 50	1110.27	3811.24	61.21	61.21
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[OTHER]	50- 60	1013.17	4824.41	77.48	77.48
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[OTHER]	60- 70	786.76	5611.17	90.12	90.12
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[OTHER]	70- 80	473.43	6084.60	97.72	97.72
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[OTHER]	80- 90	137.77	6222.37	99.93	99.93
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[OTHER]	90-100	0.94	6223.31	99.95	99.95
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[OTHER]	100-110	0.78	6224.09	99.96	99.96
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[OTHER]	110-120	0.74	6224.84	99.97	99.97
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[OTHER]	120-130	0.50	6225.34	99.98	99.98
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[OTHER]	130-140	0.40	6225.74	99.99	99.99
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[OTHER]	140-150	0.32	6226.06	99.99	99.99
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[OTHER]	150-160	0.28	6226.35	99.99	99.99
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[OTHER]	160-170	0.23	6226.57	100.00	100.00
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[OTHER]	170-180	0.09	6226.66	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	3843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	30
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	1728	1748	1752
55	1664	1692	1703
65	1568	1602	1625
75	1412	1458	1500
85	1068	1096	1190

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	474.81	N.A.	12.40
0-30	1012.64	N.A.	26.40
0-40	1666.91	N.A.	43.40
0-60	2977.4	N.A.	77.50
0-80	3755.12	N.A.	97.70
0-90	3840.15	N.A.	99.90
10-90	3717.65	N.A.	96.70
20-40	1192.1	N.A.	31.00
20-50	1877.31	N.A.	48.90
40-70	1796.04	N.A.	46.70
60-80	777.73	N.A.	20.20
70-80	292.18	N.A.	7.60
80-90	85.03	N.A.	2.20
90-110	1.06	N.A.	0.00
90-120	1.52	N.A.	0.00
90-130	1.83	N.A.	0.00
90-150	2.28	N.A.	0.10
90-180	2.65	N.A.	0.10
110-180	1.58	N.A.	0.00
0-180	3842.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	122.50
10-20	352.30
20-30	537.83
30-40	654.27
40-50	685.21
50-60	625.28
60-70	485.55
70-80	292.18
80-90	85.03
90-100	0.58
100-110	0.48
110-120	0.46
120-130	0.31
130-140	0.25
140-150	0.20
150-160	0.17
160-170	0.14
170-180	0.05

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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	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	79	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	44	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

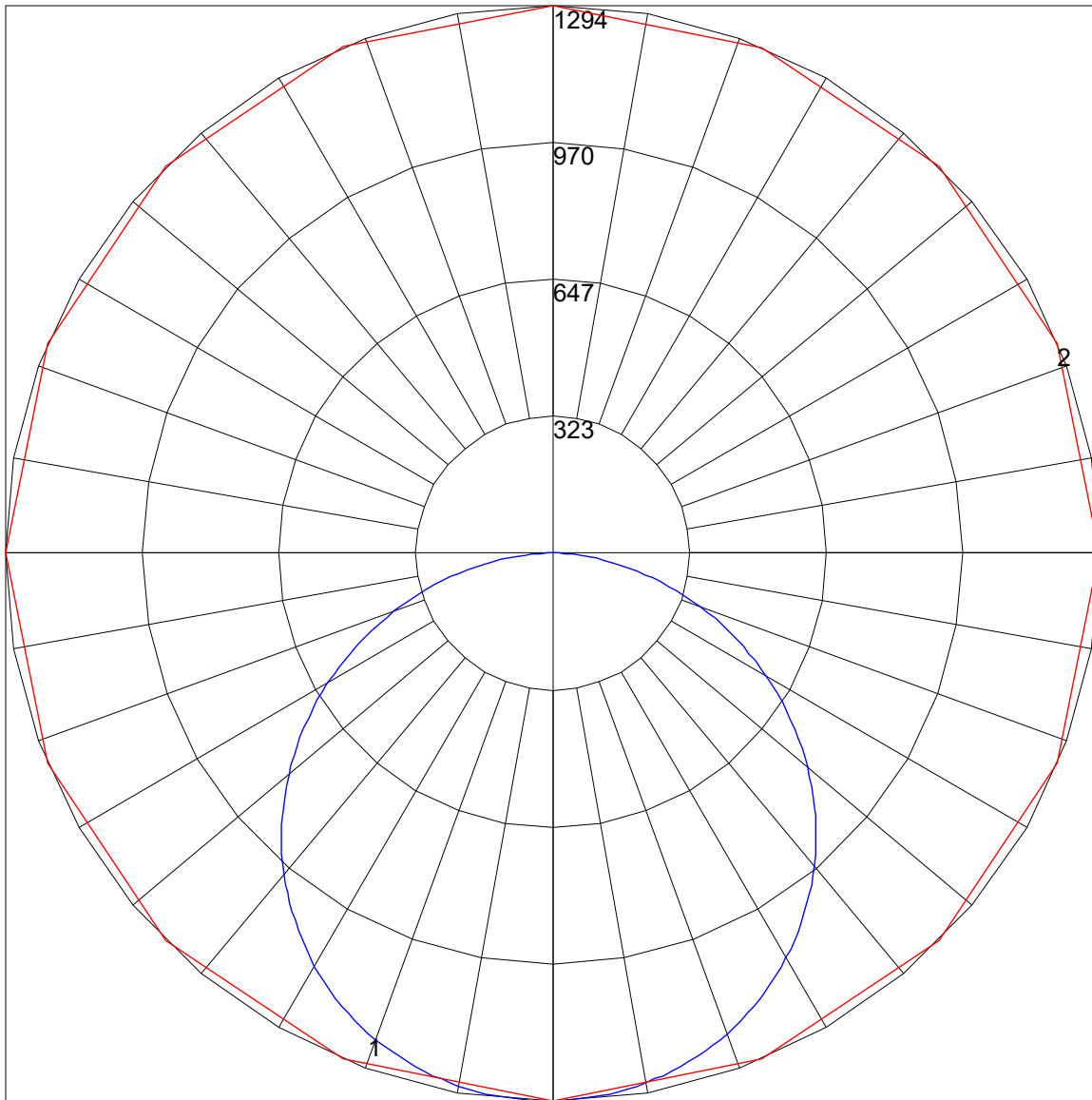
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**UGR TABLE - CORRECTED**

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	13.9	15.6	14.3	15.9	16.2	14.1	15.7	14.4	16.0	16.3
	3H	15.8	17.3	16.1	17.6	18.0	16.0	17.5	16.3	17.8	18.2
	4H	16.5	17.9	16.9	18.2	18.6	16.7	18.1	17.1	18.5	18.8
	6H	17.0	18.3	17.4	18.7	19.1	17.3	18.6	17.7	19.0	19.3
	8H	17.2	18.4	17.6	18.8	19.2	17.5	18.7	17.9	19.1	19.5
	12H	17.3	18.5	17.7	18.9	19.3	17.6	18.8	18.0	19.2	19.6
4H	2H	14.6	16.0	15.0	16.3	16.7	14.7	16.2	15.1	16.5	16.9
	3H	16.7	17.9	17.1	18.3	18.7	16.9	18.1	17.3	18.5	18.9
	4H	17.5	18.6	17.9	19.0	19.4	17.8	18.8	18.2	19.2	19.7
	6H	18.2	19.1	18.6	19.6	20.0	18.5	19.4	18.9	19.8	20.3
	8H	18.4	19.3	18.9	19.7	20.2	18.7	19.6	19.2	20.0	20.5
	12H	18.5	19.4	19.0	19.8	20.3	18.9	19.7	19.3	20.1	20.6
8H	4H	17.8	18.7	18.3	19.2	19.6	18.1	19.0	18.6	19.4	19.9
	6H	18.6	19.4	19.1	19.9	20.4	18.9	19.7	19.4	20.2	20.6
	8H	19.0	19.6	19.5	20.1	20.6	19.3	19.9	19.8	20.4	20.9
	12H	19.2	19.8	19.7	20.3	20.8	19.5	20.1	20.0	20.6	21.2
12H	4H	17.9	18.7	18.4	19.2	19.6	18.1	19.0	18.6	19.4	19.9
	6H	18.7	19.4	19.3	19.9	20.4	19.0	19.7	19.6	20.2	20.7
	8H	19.1	19.7	19.6	20.2	20.7	19.4	20.0	19.9	20.5	21.0

Maximum UGR = 21.2

POLAR GRAPH



Maximum Candela = 1293.851 Located At Horizontal Angle = 135, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)