



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB V2 24 SEL5 UV FR 8SEL5 (45W,3000K).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD231213NB-F

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 19 January 2024

[ISSUEDATE] 2024-01-29

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] FPB v2 24 SEL5 UV FR 8SEL5 (45W,3000K)

[LUMINAIRE] 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

[OTHER] Input Voltage=120.0 PF=0.9934 THD=10.19

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

[OTHER] 0- 10	196.65	196.65	3.15	3.15
[OTHER] 10- 20	566.91	763.56	12.23	12.23
[OTHER] 20- 30	869.00	1632.56	26.14	26.14
[OTHER] 30- 40	1062.06	2694.62	43.15	43.15
[OTHER] 40- 50	1117.24	3811.85	61.04	61.04
[OTHER] 50- 60	1023.38	4835.24	77.43	77.43
[OTHER] 60- 70	795.25	5630.49	90.16	90.16
[OTHER] 70- 80	474.16	6104.64	97.76	97.76
[OTHER] 80- 90	135.46	6240.11	99.93	99.93
[OTHER] 90-100	0.65	6240.76	99.94	99.94
[OTHER] 100-110	0.88	6241.64	99.95	99.95
[OTHER] 110-120	0.87	6242.51	99.96	99.96
[OTHER] 120-130	0.60	6243.11	99.97	99.97
[OTHER] 130-140	0.51	6243.63	99.98	99.98
[OTHER] 140-150	0.41	6244.03	99.99	99.99
[OTHER] 150-160	0.34	6244.37	99.99	99.99
[OTHER] 160-170	0.27	6244.64	100.00	100.00
[OTHER] 170-180	0.10	6244.74	100.00	100.00
[OTHER]				

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**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5724
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.60 m
Luminous Height	0.00 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2608	2606	2595
55	2528	2540	2528
65	2395	2424	2406
75	2201	2211	2166
85	1876	1736	1649

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	699.93	N.A.	12.20
0-30	1496.51	N.A.	26.10
0-40	2470.07	N.A.	43.20
0-60	4432.31	N.A.	77.40
0-80	5595.94	N.A.	97.80
0-90	5720.11	N.A.	99.90
10-90	5539.85	N.A.	96.80
20-40	1770.14	N.A.	30.90
20-50	2794.28	N.A.	48.80
40-70	2691.22	N.A.	47.00
60-80	1163.63	N.A.	20.30
70-80	434.64	N.A.	7.60
80-90	124.17	N.A.	2.20
90-110	1.41	N.A.	0.00
90-120	2.21	N.A.	0.00
90-130	2.76	N.A.	0.00
90-150	3.60	N.A.	0.10
90-180	4.25	N.A.	0.10
110-180	2.84	N.A.	0.00
0-180	5724.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	180.27
10-20	519.67
20-30	796.58
30-40	973.56
40-50	1024.14
50-60	938.10
60-70	728.98
70-80	434.64
80-90	124.17
90-100	0.60
100-110	0.81
110-120	0.80
120-130	0.55
130-140	0.47
140-150	0.37
150-160	0.31
160-170	0.25
170-180	0.09

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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	57
4	82	69	61	54	79	68	60	53	66	58	52	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	39	51	44	39	50	43	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	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	25	37	30	25	36	30	25	35	29	25	23

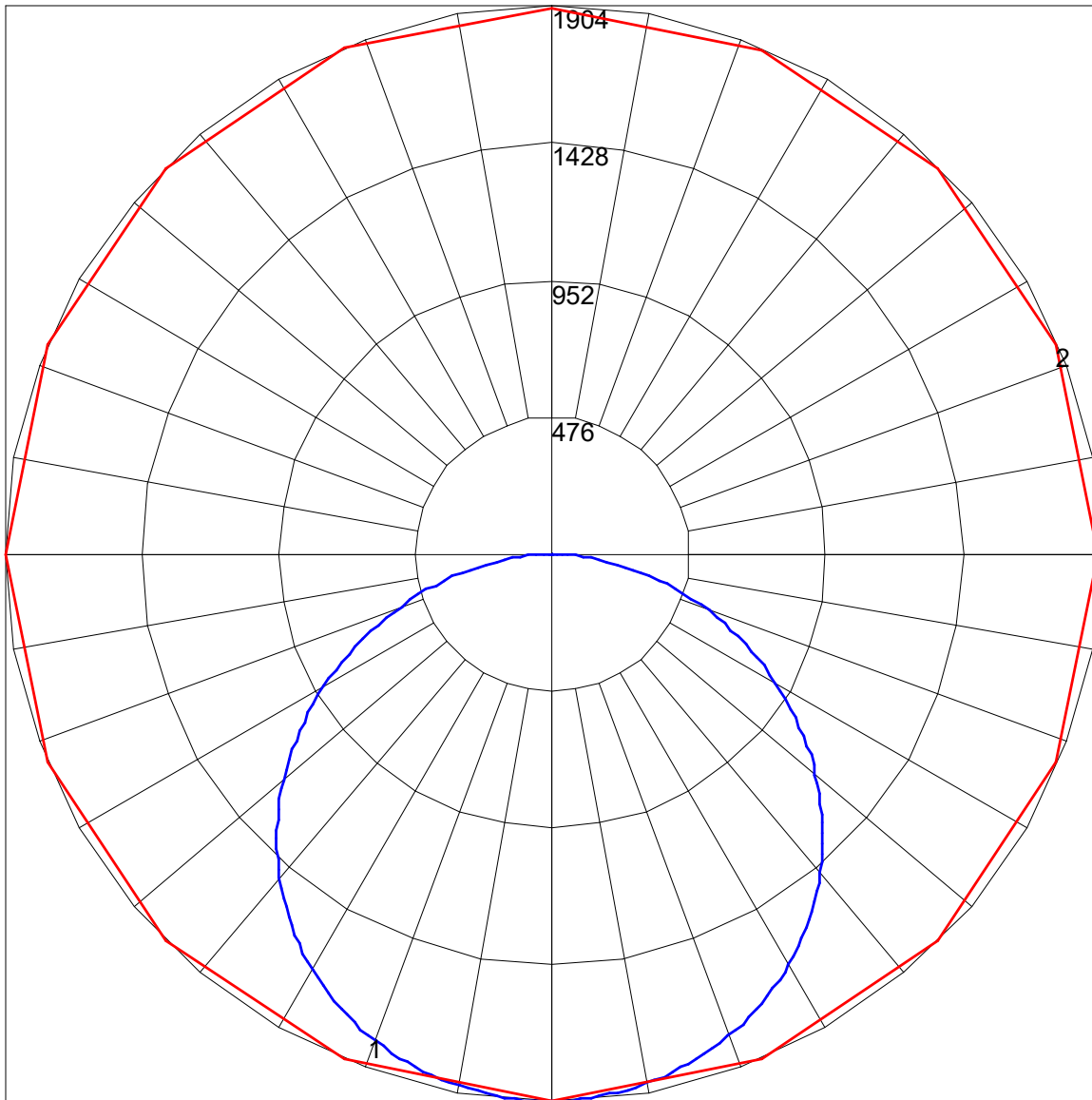
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**UGR TABLE - CORRECTED**

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	17.1	15.8	17.4	17.8	15.4	17.1	15.8	17.4	17.7
	3H	17.4	18.9	17.7	19.2	19.6	17.3	18.8	17.7	19.2	19.5
	4H	18.1	19.5	18.5	19.9	20.2	18.0	19.5	18.4	19.8	20.2
	6H	18.7	20.0	19.1	20.3	20.7	18.6	19.9	19.0	20.3	20.6
	8H	18.9	20.1	19.3	20.5	20.9	18.7	20.0	19.2	20.4	20.8
	12H	19.0	20.2	19.4	20.6	21.0	18.9	20.1	19.3	20.5	20.9
4H	2H	16.1	17.6	16.5	17.9	18.3	16.1	17.5	16.5	17.9	18.3
	3H	18.3	19.5	18.7	19.9	20.3	18.2	19.4	18.6	19.8	20.2
	4H	19.1	20.2	19.6	20.6	21.1	19.1	20.2	19.5	20.6	21.0
	6H	19.9	20.8	20.3	21.2	21.7	19.7	20.7	20.2	21.1	21.6
	8H	20.1	21.0	20.6	21.4	21.9	20.0	20.8	20.4	21.3	21.8
	12H	20.3	21.1	20.8	21.6	22.0	20.1	20.9	20.6	21.4	21.9
8H	4H	19.5	20.4	19.9	20.8	21.3	19.4	20.3	19.9	20.7	21.2
	6H	20.3	21.1	20.8	21.6	22.0	20.2	21.0	20.7	21.4	21.9
	8H	20.7	21.3	21.2	21.8	22.3	20.5	21.2	21.0	21.7	22.2
	12H	21.0	21.5	21.5	22.0	22.6	20.7	21.3	21.3	21.8	22.4
12H	4H	19.5	20.3	20.0	20.8	21.3	19.4	20.3	19.9	20.7	21.2
	6H	20.4	21.1	20.9	21.5	22.1	20.3	21.0	20.8	21.4	22.0
	8H	20.8	21.4	21.3	21.9	22.4	20.6	21.2	21.1	21.7	22.3

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 1903.739 Located At Horizontal Angle = 225, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)