



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB V2 24 SEL5 UV FR 8SEL5 (40W,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 (40W,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
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[OTHER] 10- 20	566.91	763.56	12.23	12.23
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[OTHER] 20- 30	869.00	1632.56	26.14	26.14
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[OTHER] 30- 40	1062.06	2694.62	43.15	43.15
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[OTHER] 40- 50	1117.24	3811.85	61.04	61.04
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[OTHER] 50- 60	1023.38	4835.24	77.43	77.43
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[OTHER] 60- 70	795.25	5630.49	90.16	90.16
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[OTHER] 70- 80	474.16	6104.64	97.76	97.76
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[OTHER] 80- 90	135.46	6240.11	99.93	99.93
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[OTHER] 90-100	0.65	6240.76	99.94	99.94
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[OTHER] 100-110	0.88	6241.64	99.95	99.95
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[OTHER] 110-120	0.87	6242.51	99.96	99.96
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[OTHER] 120-130	0.60	6243.11	99.97	99.97
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[OTHER] 130-140	0.51	6243.63	99.98	99.98
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[OTHER] 140-150	0.41	6244.03	99.99	99.99
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[OTHER] 150-160	0.34	6244.37	99.99	99.99
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[OTHER] 160-170	0.27	6244.64	100.00	100.00
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[OTHER] 170-180	0.10	6244.74	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	5074
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	39
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	2311	2310	2300
55	2240	2251	2241
65	2123	2149	2133
75	1951	1960	1920
85	1663	1539	1461

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Zone	Lumens	%Lamp	%Fixt
0-20	620.40	N.A.	12.20
0-30	1326.46	N.A.	26.10
0-40	2189.39	N.A.	43.20
0-60	3928.66	N.A.	77.40
0-80	4960.06	N.A.	97.80
0-90	5070.12	N.A.	99.90
10-90	4910.34	N.A.	96.80
20-40	1569.00	N.A.	30.90
20-50	2476.76	N.A.	48.80
40-70	2385.41	N.A.	47.00
60-80	1031.4	N.A.	20.30
70-80	385.25	N.A.	7.60
80-90	110.06	N.A.	2.20
90-110	1.25	N.A.	0.00
90-120	1.96	N.A.	0.00
90-130	2.45	N.A.	0.00
90-150	3.19	N.A.	0.10
90-180	3.77	N.A.	0.10
110-180	2.52	N.A.	0.00
0-180	5073.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.78
10-20	460.61
20-30	706.06
30-40	862.93
40-50	907.76
50-60	831.50
60-70	646.15
70-80	385.25
80-90	110.06
90-100	0.53
100-110	0.72
110-120	0.71
120-130	0.49
130-140	0.41
140-150	0.33
150-160	0.27
160-170	0.22
170-180	0.08

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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

X=2H	Y=2H	15.0	16.6	15.3	16.9	17.3	14.9	16.6	15.3	16.9	17.2
	3H	16.9	18.4	17.2	18.7	19.1	16.8	18.3	17.2	18.7	19.0
	4H	17.6	19.0	18.0	19.4	19.7	17.5	19.0	17.9	19.3	19.7
	6H	18.2	19.5	18.6	19.8	20.2	18.1	19.4	18.5	19.8	20.1
	8H	18.4	19.6	18.8	20.0	20.4	18.2	19.5	18.7	19.9	20.3
	12H	18.5	19.7	18.9	20.1	20.5	18.4	19.6	18.8	20.0	20.4

UGR Viewed Endwise

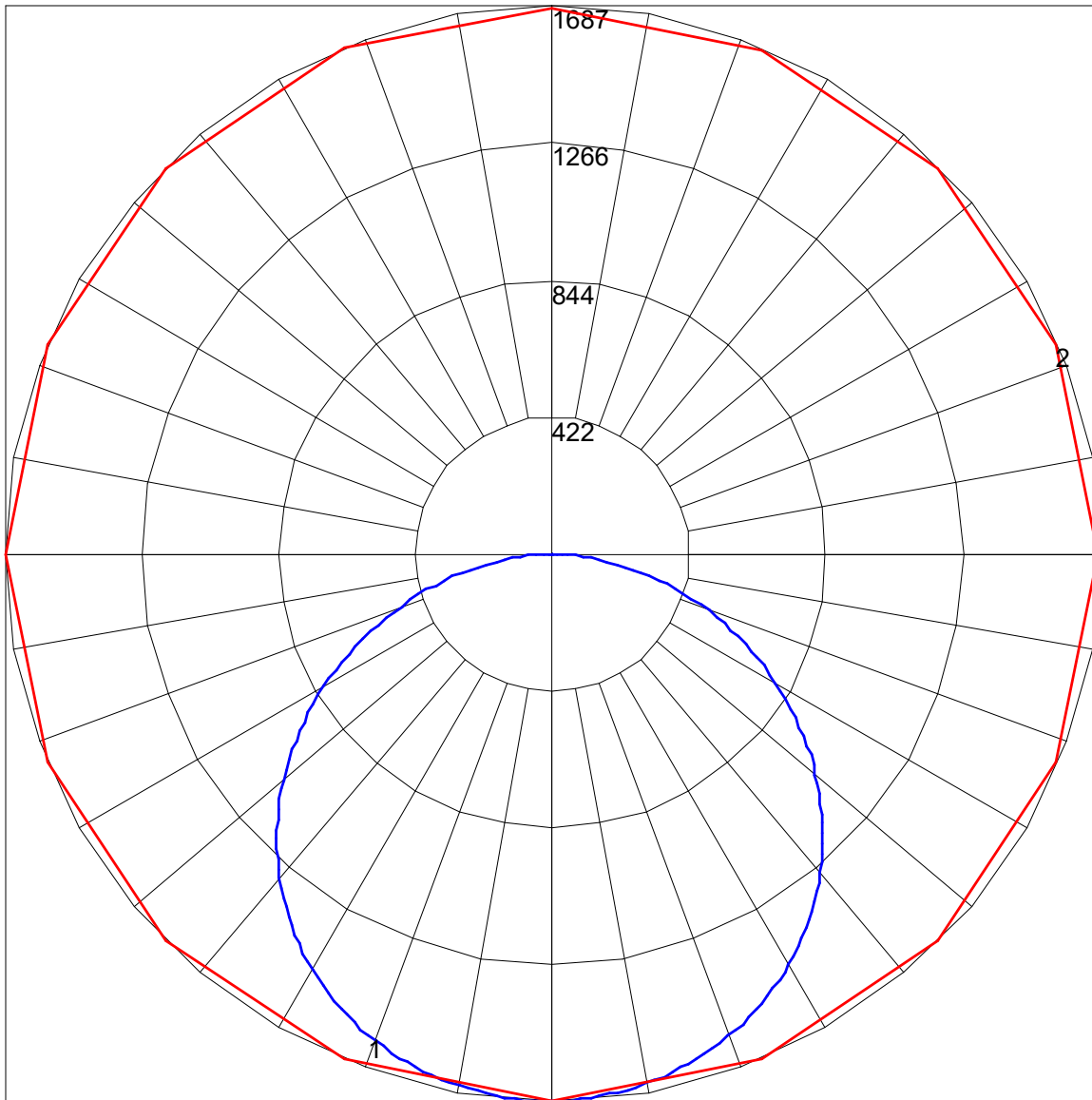
4H	2H	15.6	17.1	16.0	17.4	17.8	15.6	17.0	16.0	17.4	17.8
	3H	17.8	19.0	18.2	19.4	19.8	17.7	18.9	18.1	19.3	19.7
	4H	18.6	19.7	19.1	20.1	20.6	18.6	19.7	19.0	20.1	20.5
	6H	19.4	20.3	19.8	20.7	21.2	19.2	20.2	19.7	20.6	21.1
	8H	19.6	20.5	20.1	20.9	21.4	19.5	20.3	19.9	20.8	21.3
	12H	19.8	20.6	20.3	21.1	21.5	19.6	20.4	20.1	20.9	21.4

8H	4H	19.0	19.9	19.4	20.3	20.8	18.9	19.8	19.4	20.2	20.7
	6H	19.8	20.6	20.3	21.1	21.5	19.7	20.5	20.2	20.9	21.4
	8H	20.2	20.8	20.7	21.3	21.8	20.0	20.7	20.5	21.2	21.7
	12H	20.5	21.0	21.0	21.5	22.1	20.2	20.8	20.8	21.3	21.9

12H	4H	19.0	19.8	19.5	20.3	20.8	18.9	19.8	19.4	20.2	20.7
	6H	19.9	20.6	20.4	21.0	21.6	19.8	20.5	20.3	20.9	21.5
	8H	20.3	20.9	20.8	21.4	21.9	20.1	20.7	20.6	21.2	21.8

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 1687.413 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.)