



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB V2 22 SEL5 UV FR 8SEL5 (40W,3000K).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD231213NB-D

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 19 January 2024

[ISSUE DATE] 2024-01-29

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] FPB v2 22 SEL5 UV FR 8SEL5 (40W,3000K)

[LUMINAIRE] 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces

[OTHER] Input Voltage=120.0 PF=0.9952 THD=9.12

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

[OTHER] 0- 10	156.29	156.29	3.22	3.22
[OTHER] 10- 20	448.67	604.96	12.46	12.46
[OTHER] 20- 30	683.25	1288.21	26.53	26.53
[OTHER] 30- 40	828.88	2117.09	43.60	43.60
[OTHER] 40- 50	865.49	2982.58	61.43	61.43
[OTHER] 50- 60	788.39	3770.98	77.67	77.67
[OTHER] 60- 70	612.13	4383.11	90.28	90.28
[OTHER] 70- 80	364.03	4747.13	97.77	97.77
[OTHER] 80- 90	102.07	4849.20	99.88	99.88
[OTHER] 90-100	0.92	4850.13	99.89	99.89
[OTHER] 100-110	0.48	4850.60	99.90	99.90
[OTHER] 110-120	0.85	4851.45	99.92	99.92
[OTHER] 120-130	0.99	4852.44	99.94	99.94
[OTHER] 130-140	0.94	4853.38	99.96	99.96
[OTHER] 140-150	0.74	4854.12	99.98	99.98
[OTHER] 150-160	0.56	4854.68	99.99	99.99
[OTHER] 160-170	0.42	4855.10	100.00	100.00
[OTHER] 170-180	0.16	4855.26	100.00	100.00
[OTHER]				

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4855
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	38.8
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)	0.60 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	4380	4376	4411
55	4237	4241	4284
65	4030	4048	4080
75	3661	3693	3684
85	2949	2776	2807

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	604.96	N.A.	12.50
0-30	1288.21	N.A.	26.50
0-40	2117.09	N.A.	43.60
0-60	3770.98	N.A.	77.70
0-80	4747.13	N.A.	97.80
0-90	4849.2	N.A.	99.90
10-90	4692.91	N.A.	96.70
20-40	1512.14	N.A.	31.10
20-50	2377.63	N.A.	49.00
40-70	2266.01	N.A.	46.70
60-80	976.15	N.A.	20.10
70-80	364.02	N.A.	7.50
80-90	102.07	N.A.	2.10
90-110	1.40	N.A.	0.00
90-120	2.25	N.A.	0.00
90-130	3.24	N.A.	0.10
90-150	4.92	N.A.	0.10
90-180	6.05	N.A.	0.10
110-180	4.65	N.A.	0.10
0-180	4855.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.29
10-20	448.67
20-30	683.25
30-40	828.88
40-50	865.49
50-60	788.39
60-70	612.13
70-80	364.02
80-90	102.07
90-100	0.92
100-110	0.48
110-120	0.85
120-130	0.99
130-140	0.94
140-150	0.74
150-160	0.56
160-170	0.42
170-180	0.16

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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	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	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	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24

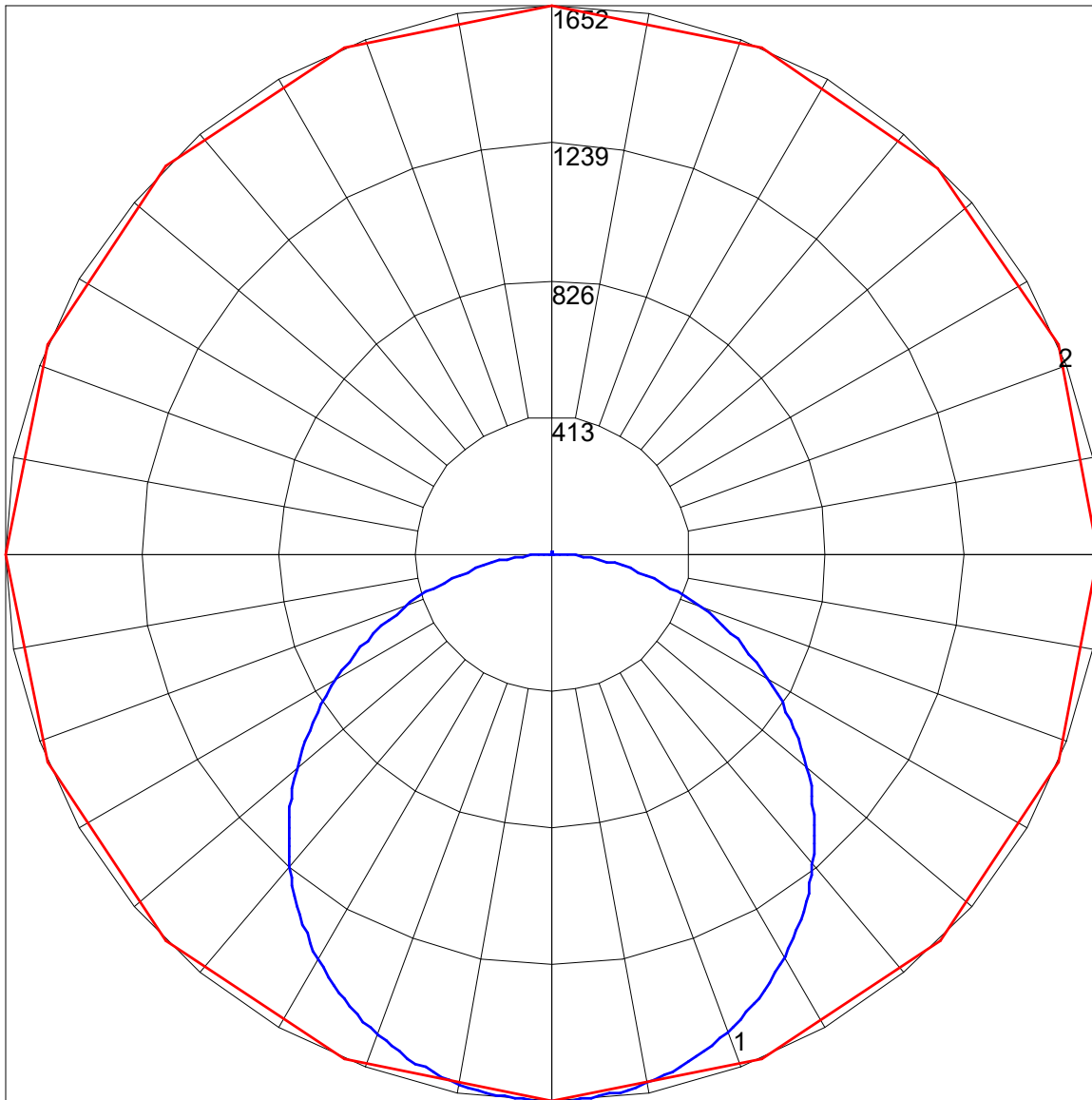
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UGR TABLE - CORRECTED

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	17.2	18.8	17.6	19.2	19.5	17.2	18.9	17.6	19.2	19.5
	3H	19.1	20.6	19.4	20.9	21.3	19.1	20.6	19.5	20.9	21.3
	4H	19.8	21.2	20.2	21.6	21.9	19.8	21.2	20.2	21.6	22.0
	6H	20.4	21.7	20.8	22.0	22.4	20.4	21.7	20.8	22.1	22.4
	8H	20.5	21.8	20.9	22.2	22.6	20.5	21.8	21.0	22.2	22.6
	12H	20.7	21.9	21.1	22.2	22.7	20.7	21.9	21.1	22.3	22.7
4H	2H	17.8	19.3	18.2	19.6	20.0	17.9	19.3	18.3	19.6	20.0
	3H	20.0	21.2	20.4	21.6	22.0	20.0	21.2	20.4	21.6	22.0
	4H	20.8	21.9	21.3	22.3	22.8	20.9	21.9	21.3	22.3	22.8
	6H	21.5	22.5	22.0	22.9	23.4	21.5	22.5	22.0	22.9	23.4
	8H	21.8	22.6	22.2	23.1	23.6	21.7	22.6	22.2	23.1	23.5
	12H	21.9	22.7	22.4	23.2	23.7	21.9	22.7	22.4	23.2	23.6
8H	4H	21.2	22.1	21.6	22.5	23.0	21.2	22.1	21.6	22.5	23.0
	6H	22.0	22.7	22.5	23.2	23.7	22.0	22.7	22.5	23.2	23.7
	8H	22.3	23.0	22.8	23.5	24.0	22.3	22.9	22.8	23.5	23.9
	12H	22.6	23.2	23.1	23.7	24.2	22.5	23.1	23.0	23.6	24.2
12H	4H	21.2	22.0	21.7	22.5	23.0	21.2	22.0	21.7	22.5	23.0
	6H	22.1	22.8	22.6	23.2	23.8	22.1	22.7	22.6	23.2	23.7
	8H	22.5	23.0	23.0	23.5	24.1	22.4	23.0	22.9	23.5	24.0

Maximum UGR = 24.2

POLAR GRAPH



Maximum Candela = 1651.63 Located At Horizontal Angle = 22.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)