



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB V2 14 SEL5 UV FR 8SEL5 (20W,3000K).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD231213NB-E

[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 14 SEL5 UV FR 8SEL5 (20W,3000K)

[LUMINAIRE] 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

[OTHER] Input Voltage=120.0 PF=0.9941 THD=9.07

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

[OTHER] 0- 10	154.66	154.66	3.16	3.16
[OTHER] 10- 20	445.31	599.98	12.24	12.24
[OTHER] 20- 30	681.23	1281.20	26.15	26.15
[OTHER] 30- 40	830.72	2111.92	43.10	43.10
[OTHER] 40- 50	871.77	2983.70	60.89	60.89
[OTHER] 50- 60	797.55	3781.25	77.17	77.17
[OTHER] 60- 70	621.49	4402.74	89.85	89.85
[OTHER] 70- 80	375.20	4777.94	97.51	97.51
[OTHER] 80- 90	115.91	4893.85	99.88	99.88
[OTHER] 90-100	1.12	4894.97	99.90	99.90
[OTHER] 100-110	0.61	4895.58	99.91	99.91
[OTHER] 110-120	0.73	4896.31	99.93	99.93
[OTHER] 120-130	0.70	4897.02	99.94	99.94
[OTHER] 130-140	0.78	4897.80	99.96	99.96
[OTHER] 140-150	0.78	4898.58	99.97	99.97
[OTHER] 150-160	0.66	4899.24	99.99	99.99
[OTHER] 160-170	0.49	4899.74	100.00	100.00
[OTHER] 170-180	0.19	4899.93	100.00	100.00
[OTHER]				

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Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2393
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	19
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.30 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2140	2181	2153
55	2073	2134	2093
65	1973	2045	1997
75	1802	1892	1852
85	1530	1621	1612

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	293.05	N.A.	12.20
0-30	625.78	N.A.	26.10
0-40	1031.52	N.A.	43.10
0-60	1846.87	N.A.	77.20
0-80	2333.68	N.A.	97.50
0-90	2390.3	N.A.	99.90
10-90	2314.75	N.A.	96.70
20-40	738.48	N.A.	30.90
20-50	1164.28	N.A.	48.60
40-70	1118.9	N.A.	46.80
60-80	486.81	N.A.	20.30
70-80	183.26	N.A.	7.70
80-90	56.61	N.A.	2.40
90-110	0.85	N.A.	0.00
90-120	1.20	N.A.	0.10
90-130	1.55	N.A.	0.10
90-150	2.31	N.A.	0.10
90-180	2.97	N.A.	0.10
110-180	2.12	N.A.	0.10
0-180	2393.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.54
10-20	217.50
20-30	332.73
30-40	405.75
40-50	425.80
50-60	389.55
60-70	303.55
70-80	183.26
80-90	56.61
90-100	0.55
100-110	0.30
110-120	0.36
120-130	0.34
130-140	0.38
140-150	0.38
150-160	0.32
160-170	0.24
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	93	90	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	68
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	41	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	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

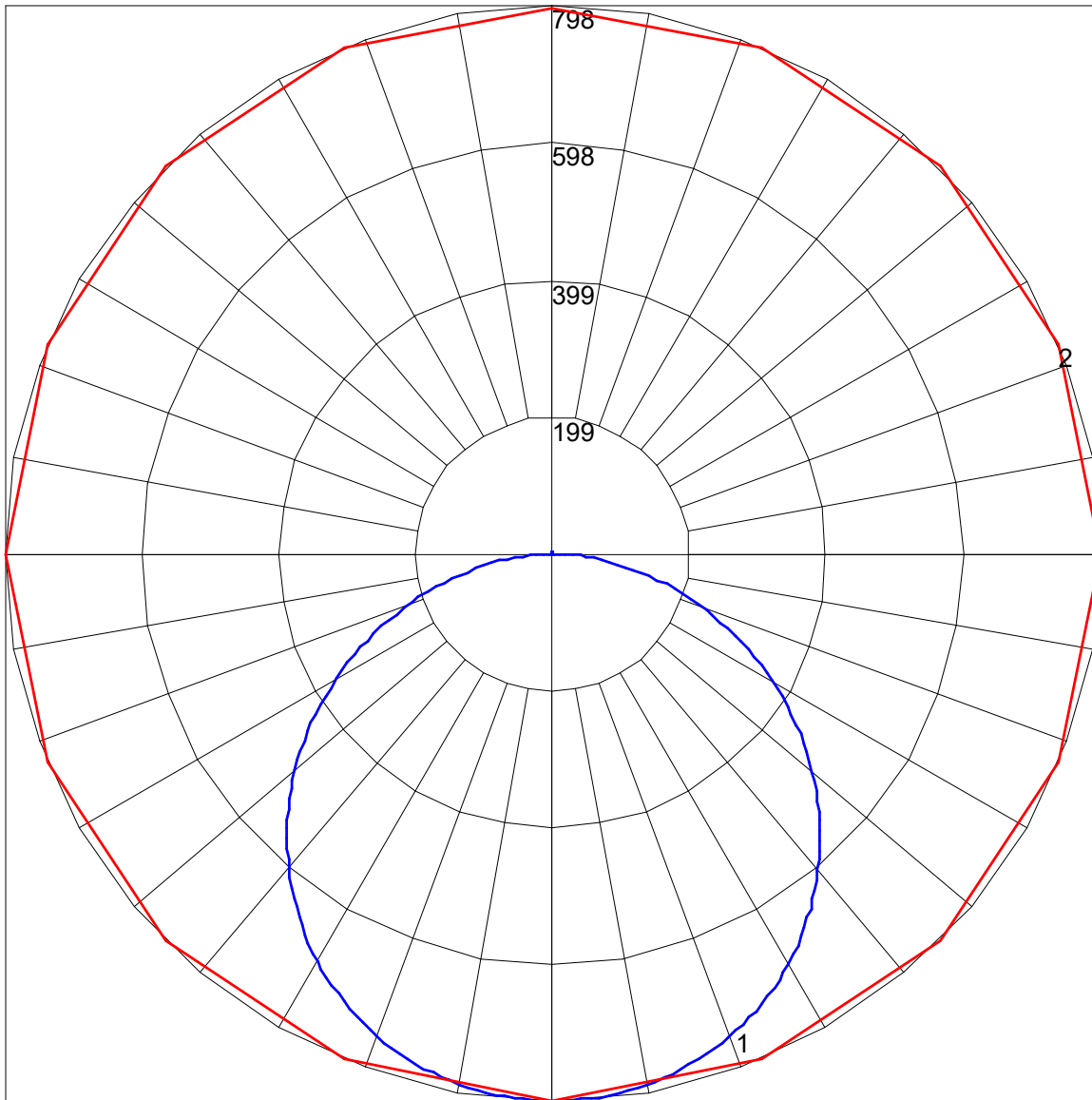
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UGR TABLE - CORRECTED

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	14.7	16.3	15.0	16.7	17.0	14.7	16.3	15.0	16.7	17.0
	3H	16.6	18.1	16.9	18.4	18.8	16.6	18.1	17.0	18.4	18.8
	4H	17.3	18.7	17.7	19.1	19.4	17.3	18.8	17.7	19.1	19.5
	6H	17.8	19.2	18.3	19.5	19.9	17.9	19.2	18.3	19.6	20.0
	8H	18.1	19.3	18.5	19.7	20.1	18.1	19.4	18.6	19.8	20.2
	12H	18.2	19.4	18.6	19.8	20.2	18.3	19.5	18.7	19.9	20.3
4H	2H	15.4	16.8	15.8	17.2	17.5	15.4	16.8	15.8	17.2	17.5
	3H	17.5	18.7	17.9	19.1	19.5	17.5	18.7	17.9	19.1	19.5
	4H	18.4	19.4	18.8	19.9	20.3	18.4	19.5	18.8	19.9	20.3
	6H	19.1	20.0	19.5	20.5	20.9	19.1	20.1	19.6	20.5	21.0
	8H	19.3	20.2	19.8	20.6	21.1	19.4	20.3	19.8	20.7	21.2
	12H	19.5	20.3	20.0	20.8	21.2	19.6	20.4	20.0	20.9	21.3
8H	4H	18.7	19.6	19.2	20.1	20.5	18.7	19.6	19.2	20.1	20.5
	6H	19.6	20.3	20.1	20.8	21.3	19.6	20.4	20.1	20.8	21.3
	8H	19.9	20.6	20.4	21.1	21.6	20.0	20.6	20.5	21.1	21.6
	12H	20.2	20.8	20.7	21.3	21.8	20.2	20.8	20.7	21.3	21.9
12H	4H	18.8	19.6	19.3	20.1	20.5	18.8	19.6	19.3	20.1	20.5
	6H	19.7	20.4	20.2	20.8	21.3	19.7	20.4	20.2	20.8	21.4
	8H	20.1	20.7	20.6	21.1	21.7	20.1	20.7	20.6	21.2	21.7

Maximum UGR = 21.9

POLAR GRAPH



Maximum Candela = 797.716 Located At Horizontal Angle = 337.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)