



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 SEL(30W) UV FR 8SEL(4000K).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 25 October 2019

[ISSUEDATE] 2019-10-25 14:51:21

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 14 SEL(30W) UV FR 8SEL(4000K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	118.06	118.06	3.20	3.20
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[OTHER]	10- 20	339.44	457.51	12.39	12.39
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[OTHER]	20- 30	517.91	975.41	26.43	26.43
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[OTHER]	30- 40	629.66	1605.07	43.48	43.48
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[OTHER]	40- 50	658.94	2264.01	61.34	61.34
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[OTHER]	50- 60	601.01	2865.01	77.62	77.62
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[OTHER]	60- 70	464.82	3329.83	90.21	90.21
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[OTHER]	70- 80	276.39	3606.22	97.70	97.70
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[OTHER]	80- 90	81.25	3687.47	99.90	99.90
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[OTHER]	90-100	0.41	3687.87	99.91	99.91
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[OTHER]	100-110	0.39	3688.26	99.92	99.92
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[OTHER]	110-120	0.48	3688.74	99.94	99.94
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[OTHER]	120-130	0.47	3689.21	99.95	99.95
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[OTHER]	130-140	0.52	3689.72	99.96	99.96
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[OTHER]	140-150	0.50	3690.23	99.98	99.98
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[OTHER]	150-160	0.44	3690.66	99.99	99.99
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[OTHER]	160-170	0.32	3690.99	100.00	100.00
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[OTHER]	170-180	0.12	3691.11	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	3691
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	29
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)	3.95 ft
Luminous Width (90-270)	0.95 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3410	3485	3442
55	3291	3381	3336
65	3095	3191	3161
75	2758	2864	2873
85	2025	2234	2435

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	457.51	N.A.	12.40
0-30	975.41	N.A.	26.40
0-40	1605.07	N.A.	43.50
0-60	2865.02	N.A.	77.60
0-80	3606.22	N.A.	97.70
0-90	3687.47	N.A.	99.90
10-90	3569.4	N.A.	96.70
20-40	1147.56	N.A.	31.10
20-50	1806.5	N.A.	48.90
40-70	1724.76	N.A.	46.70
60-80	741.20	N.A.	20.10
70-80	276.39	N.A.	7.50
80-90	81.25	N.A.	2.20
90-110	0.79	N.A.	0.00
90-120	1.28	N.A.	0.00
90-130	1.74	N.A.	0.00
90-150	2.76	N.A.	0.10
90-180	3.64	N.A.	0.10
110-180	2.85	N.A.	0.10
0-180	3691.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.06
10-20	339.44
20-30	517.91
30-40	629.66
40-50	658.94
50-60	601.01
60-70	464.82
70-80	276.39
80-90	81.25
90-100	0.41
100-110	0.39
110-120	0.48
120-130	0.47
130-140	0.52
140-150	0.50
150-160	0.44
160-170	0.32
170-180	0.12

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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	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	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	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	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	23

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UGR TABLE - CORRECTED

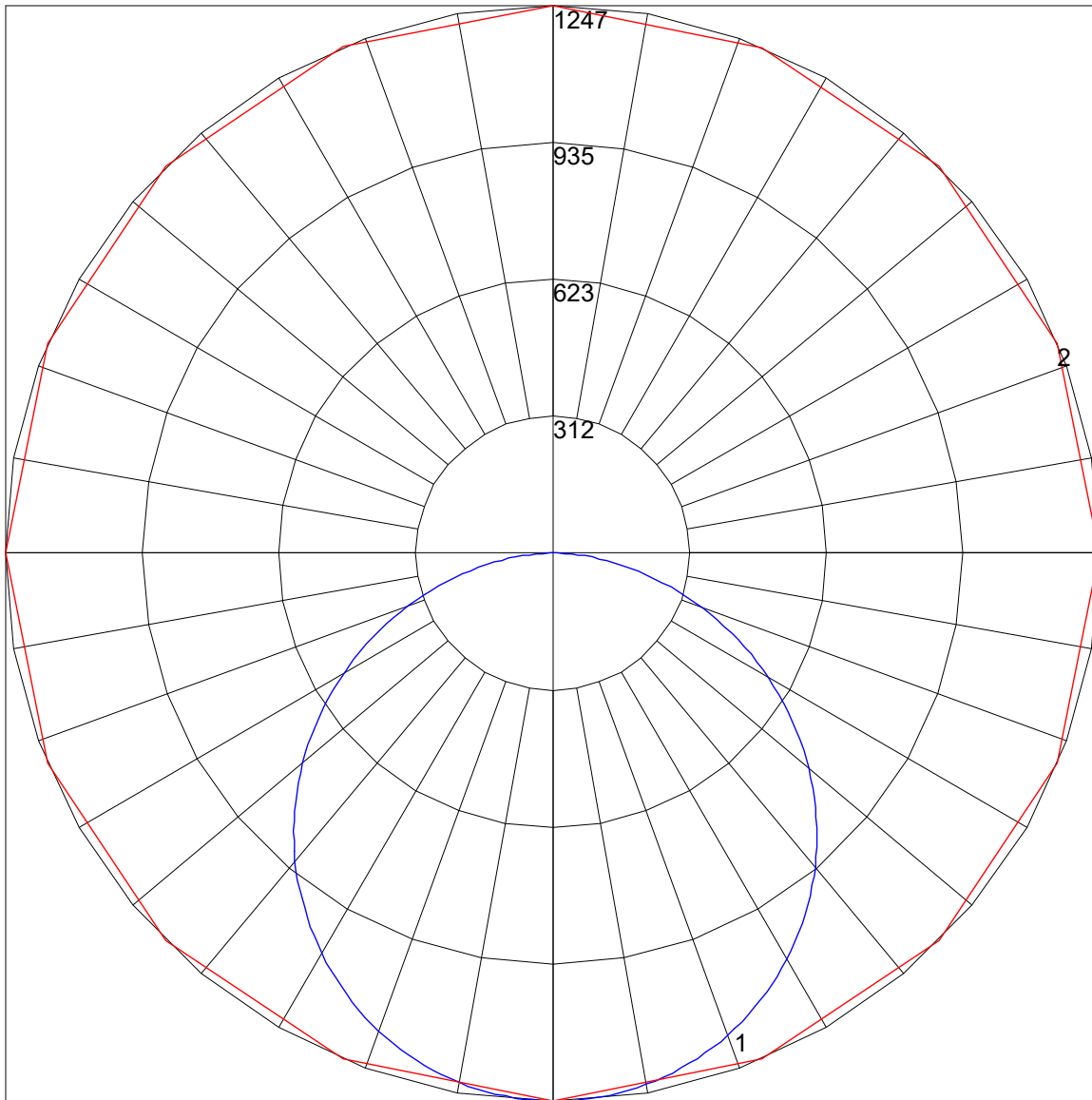
Reflectances

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	16.2	17.9	16.6	18.2	18.5	16.3	18.0	16.7	18.3	18.6
	3H	18.1	19.6	18.4	19.9	20.3	18.2	19.7	18.6	20.0	20.4
	4H	18.7	20.2	19.1	20.5	20.9	18.9	20.3	19.3	20.7	21.1
	6H	19.3	20.6	19.7	21.0	21.3	19.5	20.8	19.9	21.2	21.5
	8H	19.4	20.7	19.9	21.1	21.5	19.7	20.9	20.1	21.3	21.7
	12H	19.5	20.7	20.0	21.1	21.6	19.8	21.0	20.2	21.4	21.8
4H	2H	16.9	18.3	17.3	18.7	19.0	17.0	18.4	17.4	18.8	19.2
	3H	19.0	20.2	19.4	20.6	21.0	19.1	20.3	19.5	20.7	21.1
	4H	19.8	20.9	20.2	21.3	21.7	20.0	21.0	20.4	21.5	21.9
	6H	20.4	21.4	20.9	21.8	22.3	20.7	21.6	21.1	22.0	22.5
	8H	20.6	21.5	21.1	22.0	22.4	20.9	21.8	21.3	22.2	22.7
	12H	20.8	21.6	21.3	22.1	22.5	21.1	21.9	21.5	22.4	22.8
8H	4H	20.1	21.0	20.6	21.5	21.9	20.3	21.2	20.8	21.6	22.1
	6H	20.9	21.6	21.4	22.1	22.6	21.1	21.9	21.6	22.4	22.8
	8H	21.2	21.8	21.7	22.4	22.8	21.5	22.1	22.0	22.6	23.1
	12H	21.4	22.0	21.9	22.5	23.0	21.7	22.3	22.2	22.8	23.4
12H	4H	20.2	21.0	20.6	21.4	21.9	20.4	21.2	20.8	21.6	22.1
	6H	21.0	21.6	21.5	22.1	22.6	21.2	21.9	21.8	22.4	22.9
	8H	21.3	21.9	21.8	22.4	22.9	21.6	22.2	22.1	22.7	23.2

Maximum UGR = 23.4

POLAR GRAPH



Maximum Candela = 1246.83 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)