



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 SEL(30W) UV FR 8SEL(3500K).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 14 October 2019

[ISSUEDATE] 2019-10-14 11:13:01

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 SEL(30W) UV FR 8SEL(3500K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	197.55	197.55	3.20	3.20
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[OTHER]	10- 20	568.22	765.76	12.39	12.39
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[OTHER]	20- 30	867.56	1633.32	26.44	26.44
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[OTHER]	30- 40	1055.66	2688.98	43.52	43.52
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[OTHER]	40- 50	1105.19	3794.17	61.41	61.41
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[OTHER]	50- 60	1007.08	4801.25	77.71	77.71
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[OTHER]	60- 70	777.39	5578.64	90.30	90.30
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[OTHER]	70- 80	460.91	6039.55	97.76	97.76
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[OTHER]	80- 90	132.28	6171.83	99.90	99.90
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[OTHER]	90-100	1.61	6173.44	99.92	99.92
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[OTHER]	100-110	1.03	6174.47	99.94	99.94
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[OTHER]	110-120	1.01	6175.48	99.96	99.96
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[OTHER]	120-130	0.76	6176.25	99.97	99.97
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[OTHER]	130-140	0.61	6176.86	99.98	99.98
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[OTHER]	140-150	0.48	6177.34	99.99	99.99
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[OTHER]	150-160	0.37	6177.71	99.99	99.99
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[OTHER]	160-170	0.27	6177.98	100.00	100.00
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[OTHER]	170-180	0.10	6178.08	100.00	100.00
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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	30
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)	3.95 ft
Luminous Width (90-270)	1.95 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1690	1712	1718
55	1624	1655	1671
65	1520	1561	1589
75	1346	1395	1450
85	987	1034	1131

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	464.07	N.A.	12.40
0-30	989.82	N.A.	26.40
0-40	1629.58	N.A.	43.50
0-60	2909.66	N.A.	77.70
0-80	3660.09	N.A.	97.80
0-90	3740.26	N.A.	99.90
10-90	3620.54	N.A.	96.70
20-40	1165.51	N.A.	31.10
20-50	1835.28	N.A.	49.00
40-70	1751.2	N.A.	46.80
60-80	750.44	N.A.	20.00
70-80	279.32	N.A.	7.50
80-90	80.17	N.A.	2.10
90-110	1.60	N.A.	0.00
90-120	2.21	N.A.	0.10
90-130	2.68	N.A.	0.10
90-150	3.34	N.A.	0.10
90-180	3.79	N.A.	0.10
110-180	2.19	N.A.	0.10
0-180	3744.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.72
10-20	344.35
20-30	525.76
30-40	639.75
40-50	669.77
50-60	610.31
60-70	471.12
70-80	279.32
80-90	80.17
90-100	0.98
100-110	0.62
110-120	0.61
120-130	0.46
130-140	0.37
140-150	0.29
150-160	0.23
160-170	0.16
170-180	0.06

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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	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	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	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

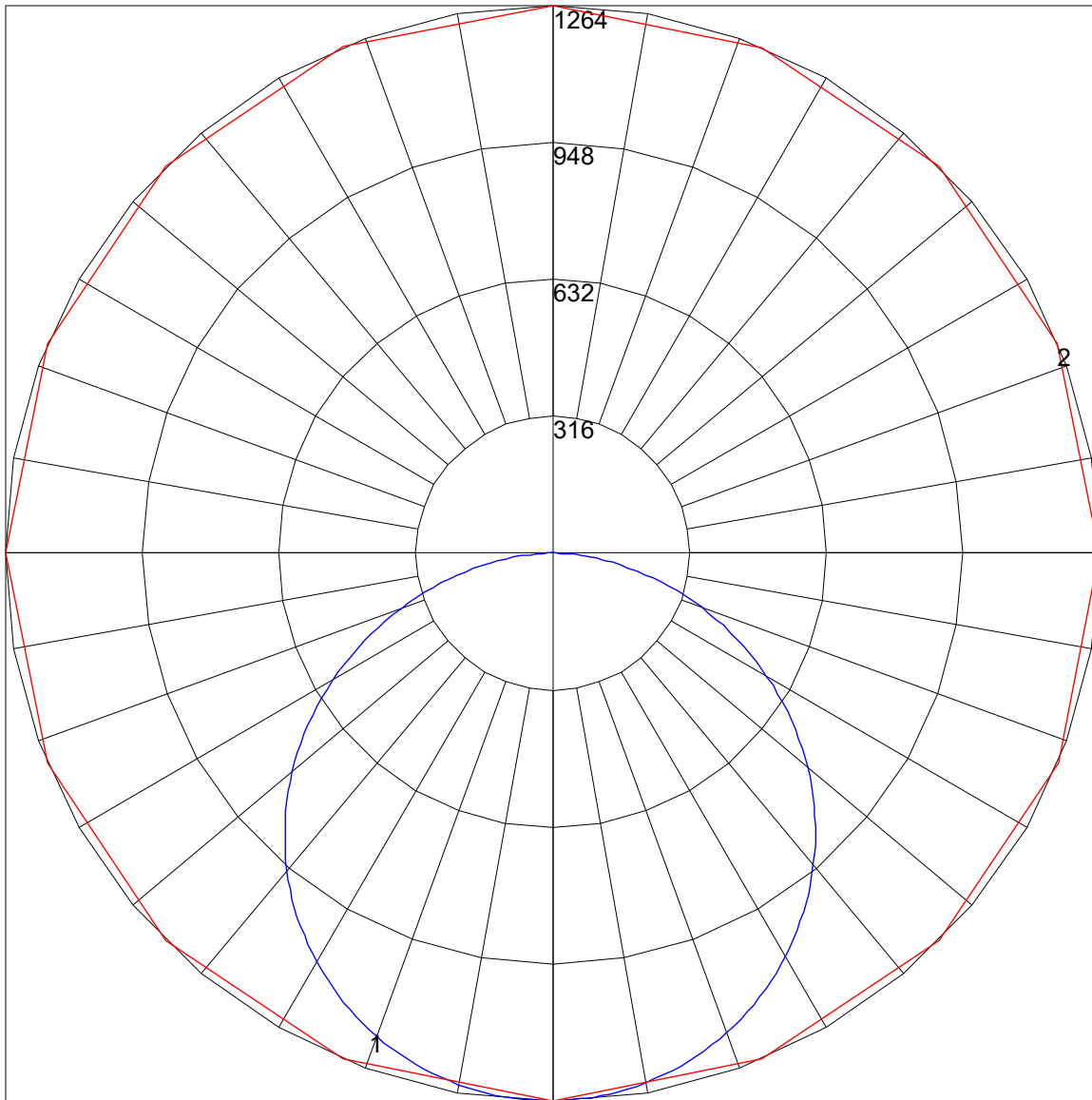
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UGR TABLE - CORRECTED

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	13.8	15.5	14.2	15.8	16.1	14.0	15.7	14.4	16.0	16.3
	3H	15.6	17.2	16.0	17.5	17.8	15.9	17.4	16.3	17.7	18.1
	4H	16.3	17.7	16.7	18.1	18.5	16.6	18.0	17.0	18.4	18.8
	6H	16.8	18.2	17.3	18.5	18.9	17.2	18.5	17.6	18.9	19.2
	8H	17.0	18.3	17.4	18.6	19.0	17.3	18.6	17.8	19.0	19.4
	12H	17.1	18.3	17.5	18.7	19.1	17.5	18.7	17.9	19.1	19.5
4H	2H	14.5	15.9	14.9	16.2	16.6	14.7	16.1	15.1	16.4	16.8
	3H	16.5	17.7	16.9	18.1	18.5	16.8	18.0	17.2	18.4	18.8
	4H	17.4	18.4	17.8	18.8	19.3	17.6	18.7	18.1	19.1	19.6
	6H	18.0	18.9	18.4	19.4	19.8	18.3	19.3	18.8	19.7	20.2
	8H	18.2	19.1	18.7	19.5	20.0	18.6	19.4	19.0	19.9	20.4
	12H	18.3	19.1	18.8	19.6	20.1	18.7	19.5	19.2	20.0	20.5
8H	4H	17.7	18.6	18.1	19.0	19.5	18.0	18.9	18.4	19.3	19.8
	6H	18.4	19.2	18.9	19.7	20.2	18.8	19.5	19.3	20.0	20.5
	8H	18.7	19.4	19.2	19.9	20.4	19.1	19.8	19.6	20.3	20.8
	12H	19.0	19.5	19.5	20.0	20.6	19.4	19.9	19.9	20.4	21.0
12H	4H	17.7	18.5	18.2	19.0	19.5	18.0	18.8	18.5	19.3	19.8
	6H	18.5	19.2	19.1	19.7	20.2	18.9	19.6	19.4	20.0	20.6
	8H	18.9	19.4	19.4	19.9	20.5	19.3	19.8	19.8	20.3	20.9

Maximum UGR = 21.0

POLAR GRAPH



Maximum Candela = 1264.366 Located At Horizontal Angle = 247.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (247.5 - 67.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)