



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 SEL(50W) 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 15:15:31

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 SEL(50W) UV FR 8SEL(4000K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	202.15	202.15	3.20	3.20
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[OTHER]	10- 20	581.25	783.40	12.38	12.38
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[OTHER]	20- 30	886.79	1670.20	26.40	26.40
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[OTHER]	30- 40	1078.06	2748.26	43.44	43.44
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[OTHER]	40- 50	1128.02	3876.28	61.27	61.27
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[OTHER]	50- 60	1028.03	4904.31	77.51	77.51
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[OTHER]	60- 70	796.63	5700.94	90.10	90.10
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[OTHER]	70- 80	478.34	6179.28	97.66	97.66
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[OTHER]	80- 90	141.70	6320.98	99.90	99.90
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[OTHER]	90-100	1.88	6322.86	99.93	99.93
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[OTHER]	100-110	0.95	6323.81	99.95	99.95
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[OTHER]	110-120	0.91	6324.72	99.96	99.96
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[OTHER]	120-130	0.65	6325.37	99.97	99.97
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[OTHER]	130-140	0.55	6325.92	99.98	99.98
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[OTHER]	140-150	0.43	6326.35	99.99	99.99
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[OTHER]	150-160	0.35	6326.70	99.99	99.99
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[OTHER]	160-170	0.25	6326.95	100.00	100.00
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[OTHER]	170-180	0.09	6327.05	100.00	100.00
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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6327
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	49.8
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)	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	2858	2890	2886
55	2751	2795	2806
65	2590	2650	2676
75	2325	2410	2482
85	1757	1875	2056

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	783.40	N.A.	12.40
0-30	1670.2	N.A.	26.40
0-40	2748.26	N.A.	43.40
0-60	4904.3	N.A.	77.50
0-80	6179.27	N.A.	97.70
0-90	6320.97	N.A.	99.90
10-90	6118.82	N.A.	96.70
20-40	1964.85	N.A.	31.10
20-50	3092.88	N.A.	48.90
40-70	2952.67	N.A.	46.70
60-80	1274.97	N.A.	20.20
70-80	478.34	N.A.	7.60
80-90	141.70	N.A.	2.20
90-110	2.83	N.A.	0.00
90-120	3.74	N.A.	0.10
90-130	4.39	N.A.	0.10
90-150	5.37	N.A.	0.10
90-180	6.06	N.A.	0.10
110-180	3.23	N.A.	0.10
0-180	6327.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	202.15
10-20	581.25
20-30	886.79
30-40	1078.06
40-50	1128.02
50-60	1028.02
60-70	796.63
70-80	478.34
80-90	141.70
90-100	1.88
100-110	0.95
110-120	0.91
120-130	0.65
130-140	0.55
140-150	0.43
150-160	0.35
160-170	0.25
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	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	76	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	79	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	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	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	26	37	30	25	36	30	25	36	30	25	23

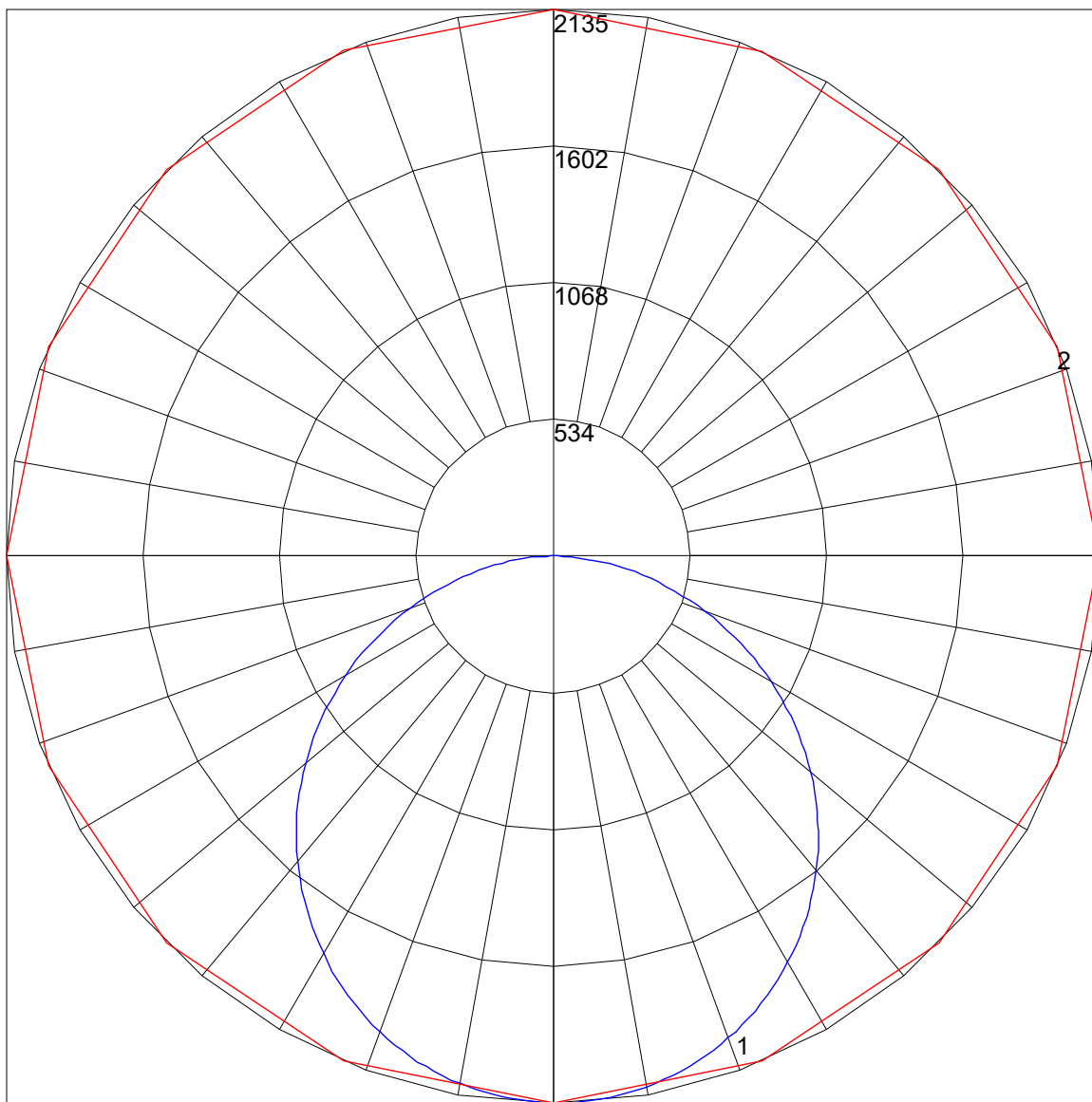
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UGR TABLE - CORRECTED

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	15.6	17.3	16.0	17.6	17.9	15.7	17.4	16.1	17.7	18.0
	3H	17.5	19.0	17.9	19.3	19.7	17.7	19.2	18.0	19.5	19.9
	4H	18.2	19.6	18.6	20.0	20.3	18.4	19.8	18.8	20.2	20.6
	6H	18.7	20.0	19.1	20.4	20.8	19.0	20.3	19.4	20.7	21.1
	8H	18.9	20.1	19.3	20.5	20.9	19.2	20.5	19.6	20.8	21.2
	12H	19.0	20.2	19.4	20.6	21.0	19.3	20.5	19.8	20.9	21.4
4H	2H	16.3	17.7	16.7	18.1	18.4	16.4	17.9	16.8	18.2	18.6
	3H	18.4	19.6	18.8	20.0	20.4	18.6	19.8	19.0	20.2	20.6
	4H	19.2	20.3	19.6	20.7	21.1	19.5	20.5	19.9	20.9	21.4
	6H	19.9	20.8	20.3	21.3	21.7	20.2	21.1	20.6	21.6	22.0
	8H	20.1	21.0	20.6	21.4	21.9	20.4	21.3	20.9	21.8	22.2
	12H	20.2	21.1	20.7	21.5	22.0	20.6	21.4	21.1	21.9	22.4
8H	4H	19.5	20.4	20.0	20.9	21.3	19.8	20.7	20.3	21.1	21.6
	6H	20.3	21.1	20.8	21.6	22.0	20.7	21.4	21.2	21.9	22.4
	8H	20.7	21.3	21.2	21.8	22.3	21.0	21.7	21.5	22.2	22.7
	12H	20.9	21.5	21.4	22.0	22.5	21.3	21.9	21.8	22.4	22.9
12H	4H	19.6	20.4	20.1	20.9	21.3	19.8	20.7	20.3	21.1	21.6
	6H	20.4	21.1	21.0	21.6	22.1	20.8	21.4	21.3	21.9	22.4
	8H	20.8	21.4	21.3	21.9	22.4	21.2	21.7	21.7	22.2	22.8

Maximum UGR = 22.9

POLAR GRAPH



Maximum Candela = 2135.44 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.)