



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 SEL(20W) UV FR 8SEL(5000K).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 26 December 2019

[ISSUEDATE] 2019-12-26 15:12:52

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 22 SEL(20W) UV FR 8SEL(5000K)

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	126.38	126.38	3.26	3.26
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[OTHER]	10- 20	362.37	488.75	12.60	12.60
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[OTHER]	20- 30	550.36	1039.11	26.79	26.79
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[OTHER]	30- 40	665.64	1704.75	43.96	43.96
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[OTHER]	40- 50	693.24	2397.99	61.83	61.83
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[OTHER]	50- 60	629.47	3027.46	78.06	78.06
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[OTHER]	60- 70	484.52	3511.97	90.55	90.55
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[OTHER]	70- 80	284.95	3796.92	97.90	97.90
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[OTHER]	80- 90	77.35	3874.27	99.89	99.89
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[OTHER]	90-100	0.90	3875.17	99.92	99.92
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[OTHER]	100-110	0.24	3875.41	99.92	99.92
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[OTHER]	110-120	0.49	3875.90	99.94	99.94
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[OTHER]	120-130	0.61	3876.51	99.95	99.95
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[OTHER]	130-140	0.62	3877.14	99.97	99.97
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[OTHER]	140-150	0.50	3877.64	99.98	99.98
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[OTHER]	150-160	0.37	3878.01	99.99	99.99
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[OTHER]	160-170	0.27	3878.29	100.00	100.00
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[OTHER]	170-180	0.10	3878.39	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	2544
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.95 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	2319	2345	2383
55	2226	2259	2314
65	2074	2121	2201
75	1821	1893	2008
85	1241	1312	1522

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	320.63	N.A.	12.60
0-30	681.66	N.A.	26.80
0-40	1118.33	N.A.	44.00
0-60	1986.04	N.A.	78.10
0-80	2490.81	N.A.	97.90
0-90	2541.55	N.A.	99.90
10-90	2458.65	N.A.	96.60
20-40	797.70	N.A.	31.40
20-50	1252.47	N.A.	49.20
40-70	1185.55	N.A.	46.60
60-80	504.77	N.A.	19.80
70-80	186.93	N.A.	7.30
80-90	50.74	N.A.	2.00
90-110	0.75	N.A.	0.00
90-120	1.07	N.A.	0.00
90-130	1.47	N.A.	0.10
90-150	2.21	N.A.	0.10
90-180	2.70	N.A.	0.10
110-180	1.96	N.A.	0.10
0-180	2544.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.91
10-20	237.72
20-30	361.04
30-40	436.66
40-50	454.77
50-60	412.94
60-70	317.85
70-80	186.93
80-90	50.74
90-100	0.59
100-110	0.16
110-120	0.32
120-130	0.40
130-140	0.41
140-150	0.33
150-160	0.24
160-170	0.18
170-180	0.07

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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

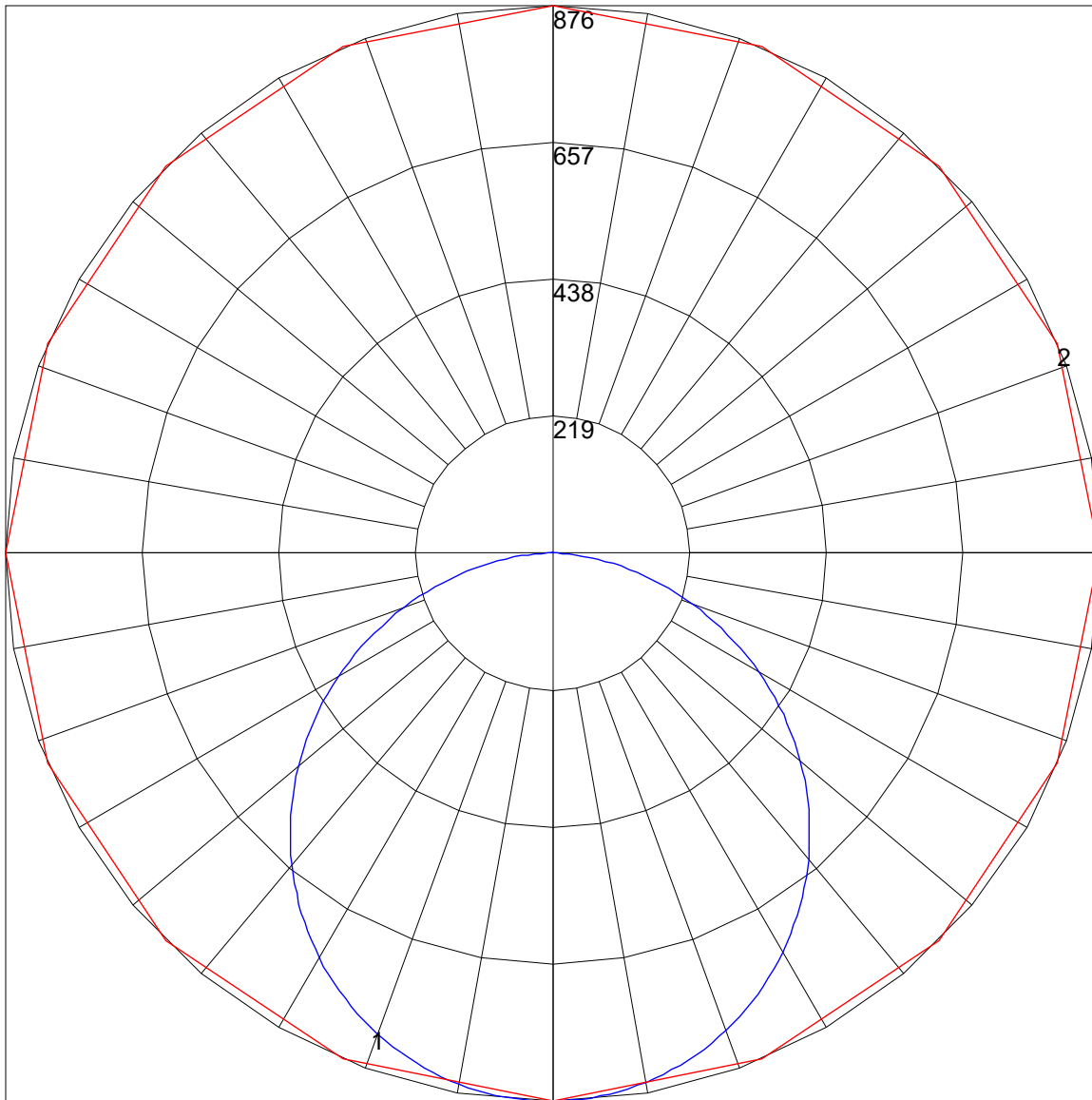
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UGR TABLE - CORRECTED

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	14.8	16.5	15.2	16.8	17.1	15.1	16.7	15.4	17.0	17.4
	3H	16.6	18.1	17.0	18.4	18.8	16.9	18.5	17.3	18.8	19.1
	4H	17.3	18.7	17.7	19.1	19.4	17.7	19.1	18.1	19.4	19.8
	6H	17.8	19.1	18.2	19.5	19.9	18.2	19.5	18.6	19.9	20.3
	8H	18.0	19.2	18.4	19.6	20.0	18.4	19.7	18.8	20.0	20.4
	12H	18.0	19.2	18.5	19.6	20.0	18.5	19.7	18.9	20.1	20.5
4H	2H	15.5	16.9	15.9	17.2	17.6	15.7	17.1	16.1	17.5	17.8
	3H	17.5	18.7	17.9	19.1	19.5	17.8	19.0	18.2	19.4	19.8
	4H	18.3	19.4	18.7	19.8	20.2	18.7	19.8	19.1	20.2	20.6
	6H	18.9	19.9	19.4	20.3	20.8	19.4	20.3	19.8	20.7	21.2
	8H	19.1	20.0	19.6	20.5	20.9	19.6	20.5	20.1	20.9	21.4
	12H	19.3	20.1	19.7	20.5	21.0	19.8	20.5	20.2	21.0	21.5
8H	4H	18.7	19.5	19.1	20.0	20.4	19.0	19.9	19.5	20.3	20.8
	6H	19.4	20.1	19.9	20.6	21.1	19.8	20.6	20.3	21.0	21.5
	8H	19.6	20.3	20.2	20.8	21.3	20.1	20.8	20.6	21.3	21.8
	12H	19.8	20.4	20.3	20.9	21.5	20.4	20.9	20.9	21.4	22.0
12H	4H	18.7	19.5	19.2	20.0	20.4	19.1	19.8	19.5	20.3	20.8
	6H	19.5	20.1	20.0	20.6	21.1	19.9	20.6	20.4	21.0	21.6
	8H	19.8	20.3	20.3	20.8	21.4	20.2	20.8	20.7	21.3	21.9

Maximum UGR = 22.0

POLAR GRAPH



Maximum Candela = 876.053 Located At Horizontal Angle = 180, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)