



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 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 15:15:31

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 SEL(30W) UV FR 8SEL(4000K)

[OTHER]

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

[OTHER]	0- 10	202.15	202.15	3.20	3.20
---------	-------	--------	--------	------	------

[OTHER]	10- 20	581.25	783.40	12.38	12.38
---------	--------	--------	--------	-------	-------

[OTHER]	20- 30	886.79	1670.20	26.40	26.40
---------	--------	--------	---------	-------	-------

[OTHER]	30- 40	1078.06	2748.26	43.44	43.44
---------	--------	---------	---------	-------	-------

[OTHER]	40- 50	1128.02	3876.28	61.27	61.27
---------	--------	---------	---------	-------	-------

[OTHER]	50- 60	1028.03	4904.31	77.51	77.51
---------	--------	---------	---------	-------	-------

[OTHER]	60- 70	796.63	5700.94	90.10	90.10
---------	--------	--------	---------	-------	-------

[OTHER]	70- 80	478.34	6179.28	97.66	97.66
---------	--------	--------	---------	-------	-------

[OTHER]	80- 90	141.70	6320.98	99.90	99.90
---------	--------	--------	---------	-------	-------

[OTHER]	90-100	1.88	6322.86	99.93	99.93
---------	--------	------	---------	-------	-------

[OTHER]	100-110	0.95	6323.81	99.95	99.95
---------	---------	------	---------	-------	-------

[OTHER]	110-120	0.91	6324.72	99.96	99.96
---------	---------	------	---------	-------	-------

[OTHER]	120-130	0.65	6325.37	99.97	99.97
---------	---------	------	---------	-------	-------

[OTHER]	130-140	0.55	6325.92	99.98	99.98
---------	---------	------	---------	-------	-------

[OTHER]	140-150	0.43	6326.35	99.99	99.99
---------	---------	------	---------	-------	-------

[OTHER]	150-160	0.35	6326.70	99.99	99.99
---------	---------	------	---------	-------	-------

[OTHER]	160-170	0.25	6326.95	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]	170-180	0.09	6327.05	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 24 SEL(30W) UV FR 8SEL(4000K).IES

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3813
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	1722	1741	1739
55	1658	1685	1691
65	1561	1597	1613
75	1401	1452	1496
85	1059	1130	1239

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 24 SEL(30W) UV FR 8SEL(4000K).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	472.12	N.A.	12.40
0-30	1006.55	N.A.	26.40
0-40	1656.25	N.A.	43.40
0-60	2955.61	N.A.	77.50
0-80	3723.97	N.A.	97.70
0-90	3809.37	N.A.	99.90
10-90	3687.54	N.A.	96.70
20-40	1184.13	N.A.	31.10
20-50	1863.94	N.A.	48.90
40-70	1779.44	N.A.	46.70
60-80	768.37	N.A.	20.20
70-80	288.27	N.A.	7.60
80-90	85.40	N.A.	2.20
90-110	1.71	N.A.	0.00
90-120	2.25	N.A.	0.10
90-130	2.65	N.A.	0.10
90-150	3.24	N.A.	0.10
90-180	3.65	N.A.	0.10
110-180	1.95	N.A.	0.10
0-180	3813.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.83
10-20	350.29
20-30	534.43
30-40	649.70
40-50	679.81
50-60	619.54
60-70	480.09
70-80	288.27
80-90	85.40
90-100	1.13
100-110	0.57
110-120	0.55
120-130	0.39
130-140	0.33
140-150	0.26
150-160	0.21
160-170	0.15
170-180	0.06

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 24 SEL(30W) UV FR 8SEL(4000K).IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 24 SEL(30W) UV FR 8SEL(4000K).IES

UGR TABLE - CORRECTED

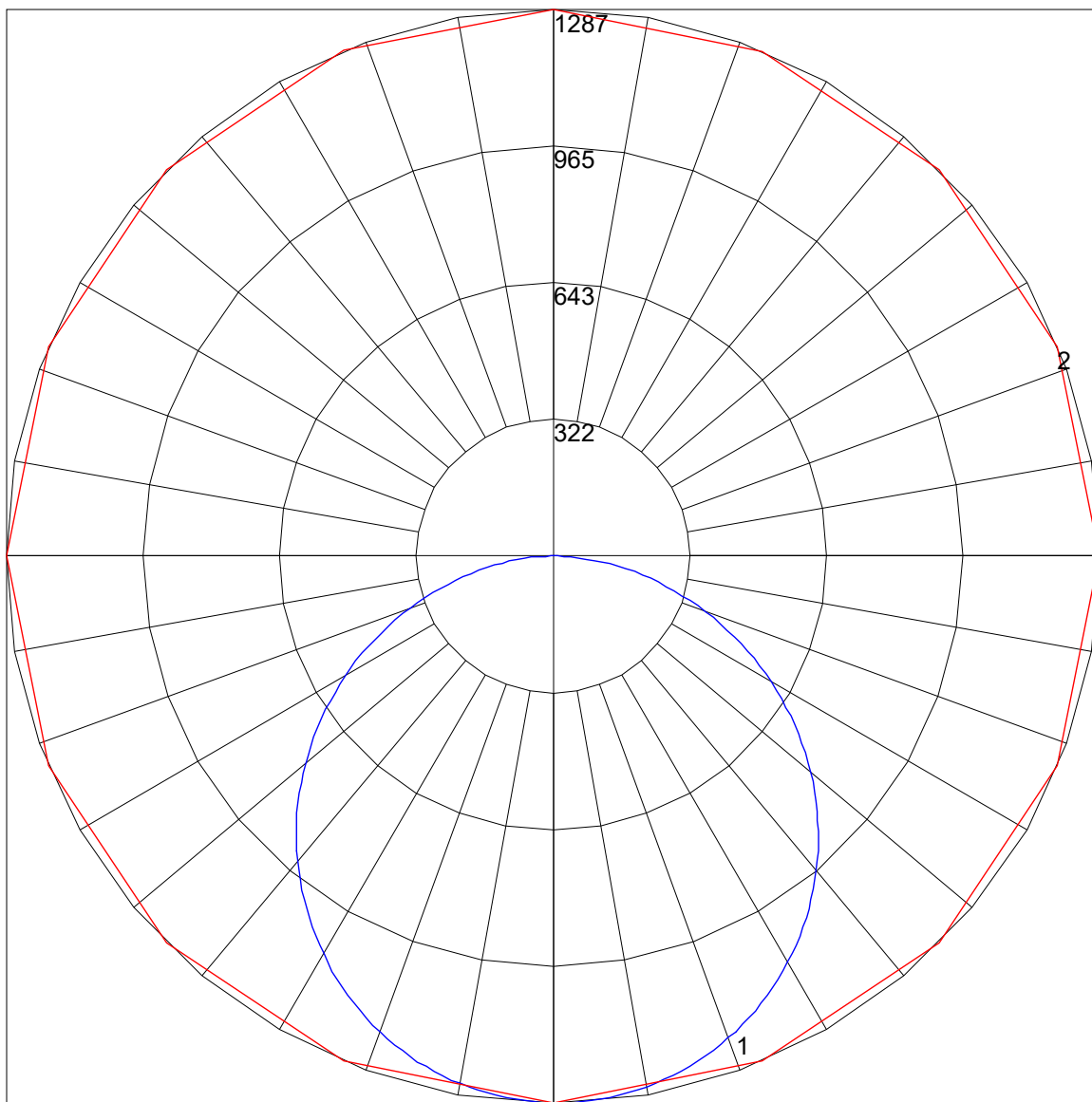
Reflectances

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	13.9	15.6	14.3	15.9	16.2	14.0	15.7	14.4	16.0	16.3
	3H	15.8	17.3	16.2	17.6	18.0	16.0	17.5	16.3	17.8	18.2
	4H	16.5	17.9	16.9	18.3	18.6	16.7	18.1	17.1	18.5	18.9
	6H	17.0	18.3	17.4	18.7	19.1	17.3	18.6	17.7	19.0	19.4
	8H	17.2	18.4	17.6	18.8	19.2	17.5	18.8	17.9	19.1	19.5
	12H	17.3	18.5	17.7	18.9	19.3	17.6	18.8	18.1	19.2	19.7
4H	2H	14.6	16.0	15.0	16.4	16.7	14.7	16.2	15.1	16.5	16.9
	3H	16.7	17.9	17.1	18.3	18.7	16.9	18.1	17.3	18.5	18.9
	4H	17.5	18.6	17.9	19.0	19.4	17.8	18.8	18.2	19.2	19.7
	6H	18.2	19.1	18.6	19.6	20.0	18.5	19.4	18.9	19.9	20.3
	8H	18.4	19.3	18.9	19.7	20.2	18.7	19.6	19.2	20.1	20.5
	12H	18.5	19.4	19.0	19.8	20.3	18.9	19.7	19.4	20.2	20.7
8H	4H	17.8	18.7	18.3	19.2	19.6	18.1	19.0	18.6	19.4	19.9
	6H	18.6	19.4	19.1	19.9	20.3	19.0	19.7	19.5	20.2	20.7
	8H	19.0	19.6	19.5	20.1	20.6	19.3	20.0	19.8	20.5	21.0
	12H	19.2	19.8	19.7	20.3	20.8	19.6	20.2	20.1	20.7	21.2
12H	4H	17.9	18.7	18.4	19.2	19.6	18.1	19.0	18.6	19.4	19.9
	6H	18.7	19.4	19.3	19.9	20.4	19.1	19.7	19.6	20.2	20.7
	8H	19.1	19.7	19.6	20.2	20.7	19.5	20.0	20.0	20.5	21.1

Maximum UGR = 21.2

POLAR GRAPH



Maximum Candela = 1286.934 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.)