



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 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] 27 December 2019

[ISSUEDATE] 2019-12-27 15:08:33

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 14 SEL(20W) UV FR 8SEL(5000K)

[OTHER]

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

[OTHER]	0- 10	122.52	122.52	3.20	3.20
---------	-------	--------	--------	------	------

[OTHER]	10- 20	352.08	474.60	12.39	12.39
---------	--------	--------	--------	-------	-------

[OTHER]	20- 30	536.87	1011.47	26.41	26.41
---------	--------	--------	---------	-------	-------

[OTHER]	30- 40	652.34	1663.81	43.44	43.44
---------	--------	--------	---------	-------	-------

[OTHER]	40- 50	682.38	2346.19	61.25	61.25
---------	--------	--------	---------	-------	-------

[OTHER]	50- 60	622.56	2968.75	77.50	77.50
---------	--------	--------	---------	-------	-------

[OTHER]	60- 70	482.48	3451.23	90.10	90.10
---------	--------	--------	---------	-------	-------

[OTHER]	70- 80	289.66	3740.90	97.66	97.66
---------	--------	--------	---------	-------	-------

[OTHER]	80- 90	86.51	3827.41	99.92	99.92
---------	--------	-------	---------	-------	-------

[OTHER]	90-100	0.50	3827.91	99.93	99.93
---------	--------	------	---------	-------	-------

[OTHER]	100-110	0.28	3828.19	99.94	99.94
---------	---------	------	---------	-------	-------

[OTHER]	110-120	0.34	3828.53	99.95	99.95
---------	---------	------	---------	-------	-------

[OTHER]	120-130	0.32	3828.85	99.96	99.96
---------	---------	------	---------	-------	-------

[OTHER]	130-140	0.41	3829.26	99.97	99.97
---------	---------	------	---------	-------	-------

[OTHER]	140-150	0.42	3829.68	99.98	99.98
---------	---------	------	---------	-------	-------

[OTHER]	150-160	0.37	3830.04	99.99	99.99
---------	---------	------	---------	-------	-------

[OTHER]	160-170	0.29	3830.33	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]	170-180	0.12	3830.45	100.00	100.00
---------	---------	------	---------	--------	--------

[OTHER]

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 SEL(20W) UV FR 8SEL(5000K).IES

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2546
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)	1.42
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	2328	2379	2371
55	2241	2299	2294
65	2104	2162	2169
75	1889	1942	1974
85	1410	1497	1647

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 SEL(20W) UV FR 8SEL(5000K).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	315.49	N.A.	12.40
0-30	672.38	N.A.	26.40
0-40	1106.02	N.A.	43.40
0-60	1973.48	N.A.	77.50
0-80	2486.77	N.A.	97.70
0-90	2544.27	N.A.	99.90
10-90	2462.83	N.A.	96.70
20-40	790.53	N.A.	31.00
20-50	1244.14	N.A.	48.90
40-70	1188.19	N.A.	46.70
60-80	513.28	N.A.	20.20
70-80	192.55	N.A.	7.60
80-90	57.51	N.A.	2.30
90-110	0.52	N.A.	0.00
90-120	0.75	N.A.	0.00
90-130	0.96	N.A.	0.00
90-150	1.51	N.A.	0.10
90-180	2.02	N.A.	0.10
110-180	1.50	N.A.	0.10
0-180	2546.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.44
10-20	234.05
20-30	356.89
30-40	433.64
40-50	453.61
50-60	413.85
60-70	320.73
70-80	192.55
80-90	57.51
90-100	0.34
100-110	0.19
110-120	0.23
120-130	0.21
130-140	0.27
140-150	0.28
150-160	0.24
160-170	0.19
170-180	0.08

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 SEL(20W) UV FR 8SEL(5000K).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	77	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	41	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

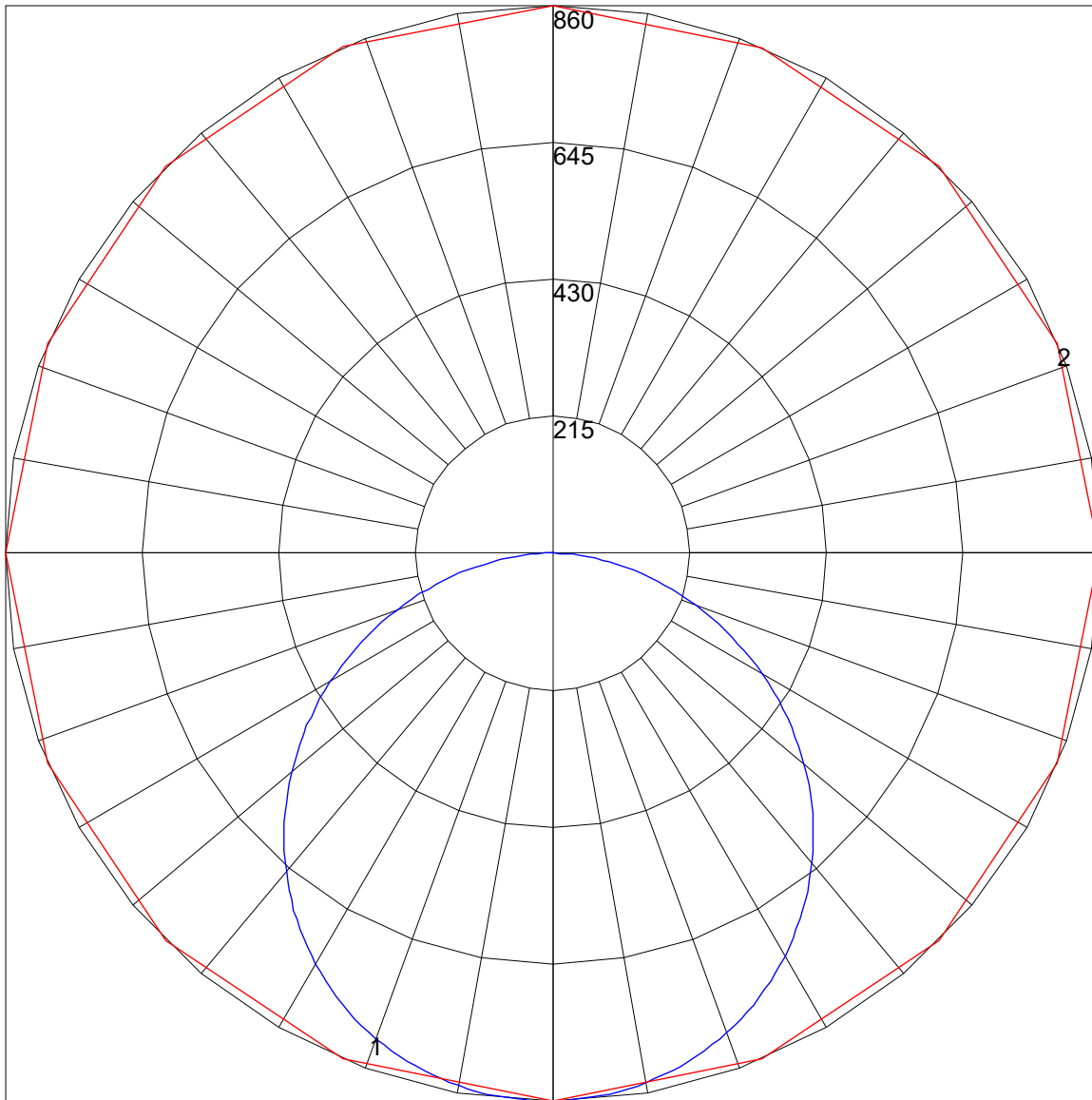
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 SEL(20W) UV FR 8SEL(5000K).IES

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	14.9	16.6	15.3	16.9	17.2	15.1	16.7	15.4	17.1	17.4
	3H	16.8	18.3	17.2	18.6	19.0	17.0	18.5	17.3	18.8	19.1
	4H	17.5	18.9	17.9	19.2	19.6	17.7	19.1	18.1	19.4	19.8
	6H	18.0	19.3	18.4	19.7	20.1	18.2	19.5	18.6	19.9	20.3
	8H	18.2	19.4	18.6	19.8	20.2	18.4	19.7	18.8	20.1	20.5
	12H	18.3	19.5	18.7	19.9	20.3	18.6	19.8	19.0	20.1	20.6
4H	2H	15.6	17.1	16.0	17.4	17.8	15.8	17.2	16.2	17.5	17.9
	3H	17.7	18.9	18.1	19.3	19.7	17.9	19.1	18.3	19.5	19.9
	4H	18.5	19.6	19.0	20.0	20.5	18.7	19.8	19.2	20.2	20.6
	6H	19.2	20.1	19.6	20.6	21.0	19.4	20.4	19.9	20.8	21.3
	8H	19.4	20.3	19.9	20.7	21.2	19.6	20.5	20.1	21.0	21.4
	12H	19.5	20.4	20.0	20.8	21.3	19.8	20.6	20.3	21.1	21.6
8H	4H	18.9	19.8	19.3	20.2	20.7	19.1	20.0	19.5	20.4	20.9
	6H	19.7	20.4	20.2	20.9	21.4	19.9	20.6	20.4	21.1	21.6
	8H	20.0	20.6	20.5	21.1	21.6	20.2	20.9	20.7	21.4	21.9
	12H	20.2	20.8	20.7	21.3	21.8	20.5	21.1	21.0	21.6	22.1
12H	4H	18.9	19.7	19.4	20.2	20.7	19.1	19.9	19.6	20.4	20.9
	6H	19.8	20.4	20.3	20.9	21.4	20.0	20.7	20.5	21.1	21.7
	8H	20.1	20.7	20.6	21.2	21.7	20.4	21.0	20.9	21.4	22.0

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 860.289 Located At Horizontal Angle = 202.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (202.5 - 22.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)