



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 LW UV FR 840.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 15:01:15

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus. LLC

[LUMINAIRE] FPB 22 LW UV FR 840

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	123.75	123.75	3.25	3.25
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[OTHER]	10- 20	354.70	478.45	12.58	12.58
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[OTHER]	20- 30	538.48	1016.93	26.75	26.75
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[OTHER]	30- 40	650.95	1667.87	43.87	43.87
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[OTHER]	40- 50	677.71	2345.59	61.69	61.69
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[OTHER]	50- 60	615.56	2961.15	77.88	77.88
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[OTHER]	60- 70	475.12	3436.27	90.38	90.38
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[OTHER]	70- 80	282.48	3718.75	97.81	97.81
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[OTHER]	80- 90	78.72	3797.47	99.88	99.88
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[OTHER]	90-100	0.75	3798.22	99.90	99.90
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[OTHER]	100-110	0.41	3798.63	99.91	99.91
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[OTHER]	110-120	0.63	3799.27	99.92	99.92
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[OTHER]	120-130	0.74	3800.01	99.94	99.94
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[OTHER]	130-140	0.72	3800.73	99.96	99.96
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[OTHER]	140-150	0.59	3801.32	99.98	99.98
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[OTHER]	150-160	0.44	3801.76	99.99	99.99
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[OTHER]	160-170	0.31	3802.07	100.00	100.00
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[OTHER]	170-180	0.12	3802.18	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	3802
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	29.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3573	3611	3676
55	3427	3480	3571
65	3207	3276	3403
75	2838	2943	3128
85	1949	2075	2461

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71
1	1306.89	1307.35	1307.53	1307.26	1307.62	1307.21	1307.69	1307.51	1307.56	1307.90
2	1306.32	1306.35	1306.82	1306.65	1306.95	1306.89	1307.48	1307.33	1307.15	1307.27
3	1305.06	1304.96	1305.09	1305.85	1305.96	1305.78	1306.64	1306.49	1306.18	1306.50
4	1303.33	1303.34	1303.85	1303.98	1304.57	1304.38	1305.07	1304.73	1305.24	1305.32
5	1300.60	1300.92	1301.44	1301.97	1302.51	1302.49	1303.40	1303.13	1302.93	1302.90
6	1297.48	1298.28	1298.76	1299.61	1300.17	1300.36	1300.96	1301.22	1301.04	1300.75
7	1294.46	1294.94	1295.58	1296.41	1297.48	1297.45	1298.43	1298.20	1298.31	1298.18
8	1290.43	1290.88	1292.23	1293.18	1293.83	1294.48	1295.72	1295.20	1295.25	1294.80
9	1286.19	1286.76	1287.89	1289.34	1290.00	1290.44	1291.70	1291.54	1291.70	1291.26
10	1281.43	1282.40	1283.15	1285.04	1286.30	1286.76	1287.92	1287.38	1287.51	1287.21
11	1276.37	1276.79	1278.42	1280.14	1281.73	1282.06	1283.08	1282.72	1282.77	1282.73
12	1270.68	1271.66	1273.12	1274.71	1276.64	1277.19	1278.44	1278.09	1277.63	1277.80
13	1264.69	1265.84	1267.19	1269.32	1271.41	1271.90	1272.88	1272.26	1272.21	1272.11
14	1258.01	1259.07	1261.02	1263.27	1265.56	1266.04	1267.11	1266.39	1266.07	1266.18
15	1251.25	1251.93	1254.15	1256.70	1259.06	1260.24	1260.95	1260.17	1259.95	1259.74
16	1243.93	1244.94	1246.91	1249.48	1252.13	1253.24	1254.17	1253.32	1253.13	1252.67
17	1236.18	1237.30	1239.10	1242.11	1245.22	1246.30	1246.94	1246.09	1245.65	1245.89
18	1227.66	1229.24	1231.29	1234.28	1237.77	1238.73	1239.30	1238.33	1238.28	1237.86
19	1219.30	1220.45	1222.75	1226.30	1229.94	1230.72	1231.22	1230.50	1230.13	1230.01
20	1210.23	1211.40	1214.05	1217.79	1221.44	1222.51	1222.89	1221.88	1221.59	1221.73
21	1200.72	1201.84	1204.39	1208.74	1212.72	1213.63	1214.22	1212.97	1212.46	1212.50
22	1190.73	1192.11	1195.25	1199.05	1203.62	1204.53	1205.02	1203.66	1203.21	1203.20
23	1180.56	1182.08	1185.33	1189.06	1193.87	1195.05	1195.09	1193.99	1193.62	1193.51
24	1169.96	1171.18	1174.53	1178.94	1183.95	1185.05	1185.21	1184.01	1183.64	1183.07
25	1159.00	1160.25	1163.77	1168.21	1173.39	1174.61	1174.63	1173.20	1173.11	1173.10
26	1147.25	1149.24	1152.50	1157.07	1162.62	1164.16	1163.80	1162.66	1162.25	1162.18
27	1135.13	1137.46	1141.22	1145.42	1151.45	1152.93	1152.69	1151.49	1150.95	1150.89
28	1122.97	1125.18	1128.66	1133.59	1139.79	1141.24	1141.08	1139.54	1139.34	1138.99
29	1110.29	1112.35	1116.52	1121.32	1128.08	1128.97	1129.20	1127.57	1126.99	1127.07
30	1097.00	1099.36	1103.79	1108.79	1115.65	1116.92	1116.75	1115.22	1114.53	1114.35
31	1083.62	1086.21	1090.45	1095.79	1103.05	1103.93	1104.01	1102.59	1101.50	1101.35
32	1069.92	1072.44	1076.98	1082.64	1089.61	1090.96	1090.80	1088.86	1087.99	1088.58
33	1056.23	1058.62	1063.36	1068.98	1075.82	1077.72	1077.36	1075.55	1074.46	1074.85
34	1041.67	1044.10	1049.20	1054.85	1062.21	1063.92	1063.32	1061.87	1060.49	1061.01
35	1027.04	1029.39	1034.49	1040.36	1048.08	1049.98	1049.24	1047.66	1046.16	1046.54
36	1011.88	1014.71	1019.69	1025.64	1033.33	1035.52	1034.79	1033.00	1031.38	1031.99
37	996.58	999.33	1004.28	1010.82	1018.43	1020.39	1019.86	1018.01	1016.42	1016.66
38	980.99	983.76	989.05	995.69	1003.07	1005.13	1004.31	1002.73	1001.37	1001.44
39	965.00	967.55	973.21	979.56	987.91	989.56	989.09	987.24	985.71	985.74
40	948.58	951.25	957.00	963.72	972.49	973.95	973.15	970.71	969.86	970.03
41	931.71	934.95	940.36	947.22	956.19	957.67	956.86	955.04	953.50	953.94
42	914.87	918.00	923.83	930.67	939.60	940.90	940.41	938.43	936.87	937.11
43	897.60	900.79	906.57	913.94	922.40	923.96	923.55	921.67	919.96	920.51
44	879.96	883.17	889.41	896.49	905.34	906.98	906.35	904.11	902.82	902.84
45	862.54	865.49	871.63	879.00	887.41	889.61	888.86	886.79	885.06	885.56
46	844.20	847.39	853.71	861.11	869.94	871.96	871.13	869.02	867.36	867.77
47	825.66	829.60	835.47	843.02	852.27	853.73	853.13	850.81	849.23	849.56
48	807.07	810.72	817.04	824.58	834.16	835.61	834.73	832.98	830.95	831.35
49	788.47	792.13	798.27	806.19	815.59	817.24	816.29	814.37	812.63	812.92
50	769.43	772.93	779.34	787.21	796.75	798.13	797.52	795.56	793.38	793.91
51	749.93	753.80	760.04	768.00	777.36	779.07	778.39	776.20	774.30	774.70
52	730.54	734.56	740.76	748.46	758.42	759.98	759.23	756.90	754.95	755.37
53	711.06	714.51	721.26	728.80	739.03	740.49	739.60	737.80	735.66	736.05

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CANDELA TABULATION - (Cont.)

54	691.10	694.51	701.18	708.88	719.32	720.53	719.92	717.69	716.04	716.16
55	671.01	674.46	681.38	689.07	699.20	700.71	699.90	697.71	695.89	696.38
56	650.81	654.59	660.88	668.70	678.71	680.66	679.81	677.39	675.70	676.00
57	630.22	633.88	640.35	648.36	658.60	659.91	659.31	657.22	655.23	655.56
58	609.79	613.48	619.98	627.93	638.20	639.51	638.93	636.46	634.94	634.94
59	589.03	592.42	599.22	607.11	617.81	618.82	617.99	615.92	614.38	614.17
60	568.15	571.71	578.34	586.22	596.74	598.00	597.17	594.92	593.36	593.42
61	547.37	550.94	557.46	565.32	575.66	576.97	575.99	573.81	572.44	572.29
62	526.04	529.78	536.06	544.45	554.96	555.89	555.43	552.97	551.54	551.43
63	504.69	508.48	515.13	523.07	533.61	534.69	533.89	531.64	530.29	530.15
64	483.70	487.16	493.90	501.49	512.24	513.34	512.70	510.39	508.64	508.92
65	462.61	465.92	472.61	480.15	491.02	492.18	491.23	489.07	487.73	487.73
66	440.78	444.39	451.06	458.91	469.23	470.51	469.61	467.66	466.13	466.17
67	419.64	423.20	429.50	437.75	447.91	449.18	448.27	446.28	444.47	444.75
68	398.18	401.95	408.20	416.16	426.60	427.70	426.74	424.84	423.55	423.24
69	376.92	380.46	386.86	394.90	405.15	406.21	405.44	403.51	402.07	401.95
70	355.51	359.04	365.29	373.06	383.47	384.79	383.87	382.03	380.61	380.30
71	334.56	338.06	344.37	351.98	362.01	362.98	362.46	360.61	359.42	358.90
72	313.22	317.06	322.84	330.82	340.77	342.01	341.16	339.51	338.13	338.10
73	292.26	295.93	301.94	309.42	319.48	320.64	319.88	318.33	317.13	316.61
74	271.48	275.12	280.86	288.48	298.18	299.49	299.02	297.35	296.24	295.92
75	250.72	254.32	260.02	267.22	276.35	278.66	278.16	276.70	275.65	275.06
76	230.07	233.43	239.61	245.91	254.63	257.09	257.46	255.97	254.70	254.56
77	209.67	213.14	219.27	224.62	232.94	235.79	236.78	235.58	234.25	234.04
78	189.37	193.08	199.09	203.52	211.48	214.53	216.66	215.32	213.86	213.83
79	169.17	173.01	178.60	182.80	190.82	193.88	196.48	195.31	193.69	193.78
80	149.66	153.37	158.19	161.91	170.56	173.11	176.37	175.28	174.01	174.15
81	130.70	134.24	138.12	141.96	150.49	153.12	156.05	156.09	154.91	154.62
82	112.23	115.33	117.99	122.24	130.60	133.02	136.09	136.66	135.58	135.48
83	93.79	97.00	98.92	103.27	110.70	113.46	116.11	117.87	116.73	116.57
84	75.92	78.52	80.03	84.78	91.77	94.27	96.92	99.46	98.39	97.69
85	57.98	60.20	61.75	66.04	73.22	75.73	77.78	80.95	80.30	78.76
86	41.18	41.97	43.57	47.94	55.24	57.68	59.85	62.70	62.87	60.57
87	25.22	25.59	26.98	30.56	37.58	39.92	42.05	44.69	45.48	42.85
88	10.25	10.27	11.82	14.61	20.79	22.96	25.12	27.64	28.88	25.86
89	0.83	1.24	1.54	2.26	17.38	7.56	9.85	11.86	13.03	10.46
90	0.20	0.14	0.21	0.24	13.96	0.23	8.66	9.55	1.63	1.05
91	0.16	0.08	0.11	0.18	10.54	0.26	7.47	7.23	0.23	0.26
92	0.16	0.05	0.05	0.18	7.12	0.23	6.28	4.92	0.23	0.23
93	0.13	0.05	0.05	0.16	3.70	0.29	5.08	2.60	0.26	0.23
94	0.13	0.03	0.03	0.13	0.29	0.26	3.89	0.29	0.26	0.26
95	0.14	0.03	0.03	0.13	0.31	0.29	2.70	0.31	0.29	0.28
96	0.14	0.03	0.03	0.13	0.31	0.31	1.51	0.29	0.29	0.30
97	0.14	0.03	0.03	0.13	0.36	0.31	0.31	0.29	0.31	0.32
98	0.15	0.03	0.03	0.14	0.39	0.36	0.34	0.34	0.31	0.34
99	0.15	0.03	0.03	0.14	0.42	0.36	0.36	0.39	0.36	0.34
100	0.15	0.03	0.03	0.14	0.44	0.42	0.42	0.42	0.39	0.36
101	0.16	0.03	0.03	0.14	0.49	0.47	0.42	0.44	0.39	0.42
102	0.16	0.03	0.03	0.14	0.52	0.49	0.47	0.47	0.42	0.42
103	0.16	0.03	0.08	0.15	0.54	0.55	0.47	0.49	0.47	0.47
104	0.17	0.05	0.13	0.15	0.60	0.57	0.55	0.55	0.52	0.52
105	0.17	0.05	0.23	0.15	0.62	0.65	0.57	0.57	0.55	0.55
106	0.17	0.13	0.29	0.15	0.67	0.68	0.65	0.60	0.62	0.60
107	0.18	0.23	0.29	0.16	0.73	0.70	0.70	0.68	0.65	0.60
108	0.18	0.23	0.34	0.18	0.78	0.73	0.70	0.68	0.68	0.62
109	0.16	0.31	0.34	0.18	0.80	0.75	0.75	0.70	0.73	0.65

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CANDELA TABULATION - (Cont.)

110	0.18	0.29	0.39	0.29	0.83	0.83	0.76	0.71	0.75	0.68
111	0.18	0.34	0.39	0.31	0.88	0.86	0.81	0.72	0.73	0.70
112	0.29	0.34	0.40	0.34	0.91	0.91	0.78	0.72	0.76	0.71
113	0.30	0.35	0.42	0.36	0.96	0.93	0.78	0.73	0.83	0.72
114	0.31	0.36	0.43	0.39	1.01	0.96	0.78	0.74	0.81	0.73
115	0.31	0.37	0.45	0.42	1.04	1.01	0.78	0.75	0.91	0.74
116	0.32	0.38	0.46	0.47	1.04	1.06	0.78	0.75	0.92	0.74
117	0.33	0.40	0.48	0.49	1.06	1.09	0.78	0.76	0.92	0.75
118	0.34	0.41	0.49	0.47	1.09	1.09	0.78	0.77	0.93	0.76
119	0.35	0.42	0.54	0.49	1.12	1.14	0.78	0.78	0.94	0.77
120	0.36	0.43	0.55	0.55	1.14	1.17	0.78	0.78	0.95	0.77
121	0.41	0.44	0.65	0.62	1.17	1.14	0.78	0.79	0.95	0.78
122	0.44	0.42	0.62	0.68	1.19	1.14	0.78	0.80	0.97	0.79
123	0.47	0.44	0.62	0.68	1.22	1.17	0.78	0.81	0.99	0.80
124	0.47	0.49	0.67	0.69	1.27	1.25	0.78	0.83	1.01	0.81
125	0.49	0.49	0.67	0.70	1.27	1.25	0.78	0.94	1.02	0.89
126	0.57	0.55	0.67	0.70	1.28	1.27	0.78	1.04	1.04	0.99
127	0.62	0.52	0.67	0.71	1.28	1.32	0.78	1.17	1.10	1.07
128	0.64	0.57	0.68	0.72	1.29	1.33	0.78	1.18	1.22	1.14
129	0.66	0.62	0.68	0.72	1.29	1.33	0.78	1.18	1.23	1.17
130	0.67	0.65	0.68	0.73	1.29	1.33	0.78	1.19	1.24	1.18
131	0.69	0.65	0.68	0.78	1.30	1.33	0.78	1.19	1.24	1.18
132	0.70	0.73	0.68	0.75	1.30	1.33	0.78	1.20	1.25	1.19
133	0.72	0.73	0.68	0.80	1.31	1.33	0.78	1.21	1.26	1.20
134	0.74	0.73	0.68	0.78	1.31	1.34	0.78	1.21	1.27	1.20
135	0.74	0.73	0.68	0.79	1.31	1.34	0.78	1.21	1.27	1.21
136	0.75	0.73	0.68	0.80	1.32	1.34	0.78	1.21	1.28	1.21
137	0.76	0.73	0.68	0.81	1.32	1.34	0.78	1.21	1.29	1.22
138	0.76	0.73	0.65	0.82	1.32	1.34	0.78	1.21	1.29	1.22
139	0.77	0.73	0.62	0.82	1.33	1.34	0.78	1.21	1.30	1.23
140	0.77	0.73	0.62	0.83	1.33	1.35	0.78	1.21	1.31	1.24
141	0.77	0.73	0.57	0.84	1.34	1.35	0.78	1.21	1.31	1.24
142	0.78	0.73	0.57	0.85	1.34	1.35	0.78	1.20	1.32	1.24
143	0.78	0.73	0.55	0.86	1.34	1.35	0.78	1.20	1.33	1.25
144	0.79	0.73	0.52	0.87	1.35	1.35	0.78	1.20	1.34	1.25
145	0.79	0.73	0.55	0.88	1.35	1.35	0.78	1.20	1.34	1.26
146	0.79	0.74	0.50	0.89	1.36	1.36	0.78	1.20	1.34	1.26
147	0.80	0.74	0.49	0.90	1.36	1.36	0.78	1.20	1.34	1.26
148	0.80	0.74	0.44	0.91	1.36	1.36	0.78	1.20	1.34	1.27
149	0.80	0.74	0.47	0.91	1.37	1.36	0.78	1.20	1.34	1.27
150	0.81	0.74	0.44	0.92	1.37	1.36	0.78	1.20	1.34	1.27
151	0.81	0.74	0.44	0.93	1.38	1.36	0.78	1.20	1.34	1.27
152	0.82	0.74	0.45	0.94	1.43	1.37	0.78	1.19	1.34	1.30
153	0.82	0.74	0.45	0.95	1.45	1.37	0.78	1.14	1.34	1.28
154	0.82	0.74	0.46	0.96	1.47	1.37	0.83	1.14	1.34	1.33
155	0.83	0.75	0.46	0.97	1.49	1.37	0.83	1.17	1.34	1.30
156	0.83	0.75	0.47	0.98	1.50	1.37	0.88	1.12	1.34	1.30
157	0.83	0.75	0.47	0.99	1.52	1.37	0.94	1.12	1.34	1.33
158	0.84	0.75	0.48	0.99	1.54	1.38	1.07	1.06	1.34	1.33
159	0.84	0.75	0.48	1.00	1.56	1.38	1.09	1.01	1.34	1.33
160	0.85	0.75	0.49	1.01	1.58	1.43	1.17	1.01	1.33	1.34
161	0.85	0.75	0.49	1.02	1.63	1.45	1.25	0.91	1.33	1.34
162	0.85	0.75	0.47	1.03	1.63	1.53	1.25	0.91	1.33	1.34
163	0.86	0.75	0.49	1.04	1.66	1.54	1.30	0.86	1.33	1.35
164	1.01	0.91	0.49	1.12	1.66	1.54	1.31	0.83	1.33	1.35
165	1.11	1.12	0.60	1.20	1.66	1.54	1.31	0.82	1.33	1.35

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CANDELA TABULATION - (Cont.)

166	1.19	1.12	0.65	1.20	1.66	1.55	1.32	0.81	1.33	1.36
167	1.25	1.20	0.65	1.27	1.66	1.55	1.32	0.80	1.33	1.37
168	1.27	1.22	0.70	1.27	1.66	1.56	1.33	0.79	1.33	1.37
169	1.32	1.27	0.68	1.30	1.66	1.56	1.34	0.78	1.33	1.38
170	1.35	1.33	0.73	1.33	1.66	1.57	1.34	0.77	1.33	1.39
171	1.33	1.33	0.70	1.32	1.66	1.57	1.35	0.77	1.33	1.39
172	1.38	1.33	0.75	1.32	1.66	1.57	1.35	0.76	1.33	1.40
173	1.40	1.34	0.75	1.31	1.65	1.58	1.36	0.75	1.33	1.40
174	1.40	1.34	0.74	1.31	1.65	1.58	1.37	0.75	1.33	1.41
175	1.43	1.34	0.74	1.31	1.64	1.51	1.37	0.74	1.33	1.42
176	1.45	1.35	0.73	1.30	1.64	1.48	1.38	0.73	1.33	1.42
177	1.43	1.35	0.73	1.30	1.63	1.48	1.33	0.73	1.32	1.43
178	1.43	1.35	0.73	1.30	1.63	1.45	1.33	0.73	1.35	1.43
179	1.43	1.35	0.73	1.30	1.63	1.45	1.30	0.73	1.32	1.43
180	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71	1307.71
1	1307.57	1307.55	1307.48	1307.28	1307.38	1306.98	1306.89
2	1307.03	1306.83	1307.00	1306.32	1306.49	1306.21	1306.32
3	1306.02	1305.73	1305.84	1305.03	1305.20	1305.01	1305.06
4	1304.45	1304.10	1304.07	1303.44	1303.19	1302.92	1303.33
5	1302.48	1302.50	1302.23	1301.21	1301.03	1300.53	1300.60
6	1300.23	1300.25	1299.67	1298.42	1298.49	1297.31	1297.48
7	1297.83	1297.10	1296.63	1295.53	1295.13	1294.19	1294.46
8	1294.40	1293.86	1293.29	1291.85	1291.36	1289.92	1290.43
9	1290.81	1290.26	1289.26	1287.73	1287.34	1285.90	1286.19
10	1286.58	1286.02	1285.09	1283.75	1282.72	1281.44	1281.43
11	1282.06	1281.52	1280.66	1278.79	1277.44	1276.32	1276.37
12	1277.32	1276.65	1275.10	1273.41	1271.97	1270.87	1270.68
13	1271.84	1271.10	1269.89	1267.42	1266.14	1264.73	1264.69
14	1265.94	1265.20	1263.81	1261.14	1259.57	1258.37	1258.01
15	1259.59	1258.96	1257.12	1254.48	1252.79	1251.32	1251.25
16	1252.63	1252.14	1250.49	1247.53	1246.03	1244.02	1243.93
17	1245.20	1245.12	1242.61	1239.80	1238.04	1236.42	1236.18
18	1237.59	1237.66	1235.08	1231.86	1229.73	1228.26	1227.66
19	1229.81	1229.21	1226.40	1223.40	1221.27	1219.69	1219.30
20	1221.38	1220.97	1218.32	1215.15	1212.43	1210.39	1210.23
21	1212.32	1211.85	1209.36	1205.88	1203.35	1200.97	1200.72
22	1202.98	1202.70	1199.61	1196.23	1193.51	1191.23	1190.73
23	1193.24	1193.49	1189.77	1186.42	1183.09	1181.09	1180.56
24	1183.10	1183.17	1179.55	1175.88	1173.12	1170.49	1169.96
25	1172.61	1172.52	1168.98	1164.87	1162.00	1159.37	1159.00
26	1161.81	1161.92	1158.09	1153.84	1150.70	1147.74	1147.25
27	1150.71	1150.81	1146.70	1142.12	1138.71	1135.96	1135.13
28	1138.84	1139.04	1134.97	1130.49	1126.77	1124.05	1122.97
29	1126.82	1126.96	1122.50	1118.23	1114.38	1111.49	1110.29
30	1114.50	1114.55	1109.78	1105.52	1101.42	1098.17	1097.00
31	1101.58	1101.84	1096.73	1092.26	1088.23	1085.04	1083.62
32	1088.46	1088.57	1083.41	1078.87	1074.38	1071.58	1069.92
33	1074.89	1074.99	1069.40	1065.27	1060.69	1057.28	1056.23
34	1061.01	1060.82	1055.53	1051.12	1046.23	1042.85	1041.67
35	1046.71	1046.90	1041.44	1036.46	1031.97	1028.44	1027.04
36	1032.19	1032.31	1026.63	1021.64	1016.87	1013.06	1011.88

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CANDELA TABULATION - (Cont.)

37	1017.12	1017.31	1011.77	1006.71	1001.67	997.84	996.58
38	1001.75	1001.91	996.21	991.37	986.16	982.22	980.99
39	986.42	986.58	980.79	975.31	970.32	966.36	965.00
40	970.19	970.37	964.47	959.45	953.88	949.82	948.58
41	953.72	954.38	948.62	942.79	937.46	933.11	931.71
42	937.49	937.49	932.12	926.29	920.95	916.65	914.87
43	920.40	920.58	915.24	909.47	903.72	899.01	897.60
44	903.41	903.49	897.93	891.88	886.16	881.83	879.96
45	885.89	886.00	880.26	874.21	868.55	863.86	862.54
46	867.92	868.08	862.46	856.40	850.64	845.86	844.20
47	850.05	850.00	844.16	837.99	832.21	827.79	825.66
48	831.65	831.77	826.08	819.87	813.94	809.02	807.07
49	813.23	813.28	807.69	801.30	795.21	790.11	788.47
50	794.41	794.17	788.62	782.30	775.99	771.15	769.43
51	775.14	775.15	769.56	763.29	756.83	751.41	749.93
52	755.96	755.75	750.34	743.60	737.49	732.09	730.54
53	736.28	736.47	730.66	724.30	717.63	712.57	711.06
54	716.47	716.18	710.86	704.22	697.51	692.28	691.10
55	696.73	696.26	691.20	684.43	677.57	672.52	671.01
56	676.24	676.30	670.93	664.23	657.32	652.17	650.81
57	655.97	655.66	650.36	643.54	636.56	631.46	630.22
58	635.34	635.25	630.02	623.18	616.40	611.06	609.79
59	614.82	614.64	609.27	602.32	595.41	590.44	589.03
60	593.57	593.54	588.44	581.42	574.63	569.35	568.15
61	572.68	572.47	567.67	560.52	553.46	548.49	547.37
62	551.78	551.35	546.46	539.50	532.31	527.23	526.04
63	530.21	530.28	525.18	518.27	511.04	506.11	504.69
64	509.07	508.93	503.90	496.76	489.87	485.01	483.70
65	487.64	487.38	482.64	475.61	468.53	463.54	462.61
66	466.28	466.16	460.99	453.90	447.04	441.97	440.78
67	444.78	444.45	439.86	432.59	425.47	420.69	419.64
68	423.35	423.12	418.28	410.97	404.41	399.26	398.18
69	401.97	401.62	396.89	389.72	382.79	377.92	376.92
70	380.26	379.99	375.21	368.28	361.38	356.53	355.51
71	359.16	358.74	354.15	347.14	340.16	335.73	334.56
72	337.91	337.58	332.69	326.10	319.15	314.45	313.22
73	316.55	316.34	310.90	304.60	298.10	293.27	292.26
74	295.76	294.87	289.09	283.62	277.24	272.79	271.48
75	274.96	273.31	267.12	261.88	256.57	251.92	250.72
76	254.12	251.65	245.61	240.10	235.77	231.42	230.07
77	233.62	229.83	224.23	218.85	215.66	210.97	209.67
78	213.19	208.93	203.37	197.80	195.30	190.88	189.37
79	192.63	188.08	182.35	177.00	174.33	170.94	169.17
80	172.02	167.71	161.91	156.56	153.99	151.33	149.66
81	151.91	147.79	141.99	136.99	133.73	132.30	130.70
82	132.03	127.98	122.47	117.56	114.06	113.31	112.23
83	112.31	108.62	103.52	98.54	94.94	94.86	93.79
84	93.22	89.67	85.00	80.20	76.39	76.24	75.92
85	74.33	71.21	66.32	61.49	58.11	57.78	57.98
86	56.35	53.12	48.32	43.55	40.18	40.04	41.18
87	38.77	35.43	30.75	26.38	23.78	23.79	25.22
88	22.12	19.01	14.70	10.87	9.23	9.01	10.25
89	7.79	4.75	1.56	0.82	0.62	0.80	0.83
90	0.31	0.29	0.23	0.24	0.22	0.16	0.20
91	0.26	0.26	0.18	0.18	0.18	0.11	0.16
92	0.23	0.31	0.16	0.13	0.13	0.05	0.16

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CANDELA TABULATION - (Cont.)

93	0.25	0.29	0.16	0.13	0.16	0.03	0.13
94	0.28	0.29	0.16	0.13	0.16	0.03	0.13
95	0.30	0.31	0.16	0.14	0.16	0.03	0.14
96	0.32	0.34	0.17	0.14	0.17	0.03	0.14
97	0.34	0.34	0.17	0.15	0.17	0.03	0.14
98	0.34	0.39	0.18	0.15	0.18	0.03	0.15
99	0.39	0.39	0.18	0.15	0.18	0.03	0.15
100	0.42	0.44	0.19	0.16	0.19	0.03	0.15
101	0.42	0.52	0.19	0.16	0.19	0.03	0.16
102	0.49	0.55	0.20	0.17	0.19	0.03	0.16
103	0.52	0.57	0.21	0.17	0.20	0.03	0.16
104	0.57	0.62	0.21	0.17	0.20	0.05	0.17
105	0.60	0.65	0.22	0.18	0.21	0.05	0.17
106	0.65	0.73	0.22	0.18	0.31	0.08	0.17
107	0.68	0.75	0.23	0.21	0.36	0.20	0.18
108	0.73	0.78	0.23	0.21	0.37	0.28	0.18
109	0.73	0.83	0.26	0.23	0.38	0.26	0.16
110	0.74	0.88	0.26	0.26	0.40	0.26	0.18
111	0.75	0.91	0.28	0.31	0.41	0.28	0.18
112	0.76	0.96	0.31	0.34	0.42	0.29	0.29
113	0.77	1.01	0.33	0.39	0.43	0.31	0.30
114	0.78	1.04	0.35	0.44	0.44	0.32	0.31
115	0.78	1.12	0.37	0.44	0.47	0.34	0.31
116	0.79	1.17	0.39	0.49	0.55	0.39	0.32
117	0.80	1.17	0.41	0.47	0.62	0.36	0.33
118	0.81	1.25	0.41	0.49	0.65	0.39	0.34
119	0.82	1.25	0.47	0.52	0.65	0.47	0.35
120	0.83	1.26	0.49	0.57	0.65	0.44	0.36
121	0.84	1.26	0.47	0.60	0.65	0.47	0.41
122	0.85	1.27	0.52	0.65	0.65	0.47	0.44
123	0.86	1.27	0.54	0.62	0.66	0.54	0.47
124	0.87	1.28	0.60	0.62	0.66	0.60	0.47
125	0.87	1.28	0.62	0.70	0.67	0.65	0.49
126	0.88	1.28	0.64	0.70	0.66	0.70	0.57
127	0.83	1.28	0.67	0.71	0.66	0.68	0.62
128	0.83	1.29	0.69	0.72	0.65	0.68	0.64
129	0.86	1.29	0.71	0.72	0.64	0.68	0.66
130	0.81	1.29	0.73	0.73	0.64	0.68	0.67
131	0.81	1.29	0.75	0.73	0.63	0.69	0.69
132	0.81	1.29	0.75	0.74	0.63	0.69	0.70
133	0.81	1.30	0.80	0.74	0.62	0.69	0.72
134	0.81	1.30	0.80	0.74	0.62	0.70	0.74
135	0.81	1.27	0.81	0.74	0.61	0.70	0.74
136	0.81	1.25	0.81	0.74	0.60	0.71	0.75
137	0.81	1.22	0.81	0.74	0.60	0.71	0.76
138	0.81	1.25	0.81	0.74	0.62	0.71	0.76
139	0.81	1.24	0.82	0.73	0.57	0.72	0.77
140	0.81	1.23	0.82	0.73	0.57	0.72	0.77
141	0.81	1.22	0.82	0.73	0.55	0.73	0.77
142	0.81	1.21	0.82	0.73	0.55	0.75	0.78
143	0.81	1.20	0.82	0.73	0.49	0.76	0.78
144	0.81	1.19	0.83	0.73	0.47	0.77	0.79
145	0.81	1.18	0.83	0.73	0.44	0.79	0.79
146	0.81	1.17	0.83	0.75	0.39	0.80	0.79
147	0.81	1.19	0.78	0.73	0.42	0.81	0.80
148	0.81	1.14	0.73	0.73	0.39	0.82	0.80

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CANDELA TABULATION - (Cont.)

149	0.81	1.09	0.70	0.73	0.39	0.84	0.80
150	0.81	1.12	0.70	0.73	0.39	0.85	0.81
151	0.78	1.09	0.70	0.73	0.39	0.86	0.81
152	0.83	1.09	0.70	0.73	0.39	0.88	0.82
153	0.86	1.12	0.70	0.73	0.41	0.89	0.82
154	0.88	1.06	0.70	0.73	0.42	0.90	0.82
155	0.94	0.91	0.70	0.73	0.43	0.92	0.83
156	1.02	0.80	0.71	0.73	0.45	0.93	0.83
157	1.04	0.80	0.71	0.73	0.46	0.94	0.83
158	1.09	0.80	0.72	0.73	0.48	0.96	0.84
159	1.10	0.79	0.78	0.73	0.49	0.97	0.84
160	1.11	0.79	0.84	0.73	0.51	0.98	0.85
161	1.12	0.79	0.91	0.73	0.52	0.99	0.85
162	1.13	0.78	0.97	0.73	0.54	1.01	0.85
163	1.14	0.78	1.03	0.85	0.55	1.02	0.86
164	1.15	0.78	1.14	1.04	0.57	1.03	1.01
165	1.22	0.77	1.24	1.11	0.60	1.17	1.11
166	1.25	0.77	1.32	1.13	0.62	1.22	1.19
167	1.33	0.76	1.35	1.14	0.67	1.25	1.25
168	1.33	0.76	1.32	1.15	0.73	1.27	1.27
169	1.33	0.76	1.35	1.16	0.70	1.27	1.32
170	1.33	0.75	1.36	1.17	0.70	1.32	1.35
171	1.34	0.75	1.38	1.18	0.75	1.32	1.33
172	1.34	0.75	1.39	1.20	0.75	1.32	1.38
173	1.34	0.74	1.41	1.21	0.74	1.31	1.40
174	1.34	0.74	1.42	1.22	0.74	1.31	1.40
175	1.35	0.74	1.44	1.19	0.74	1.31	1.43
176	1.35	0.73	1.45	1.24	0.73	1.30	1.45
177	1.35	0.73	1.45	1.25	0.73	1.30	1.43
178	1.35	0.73	1.45	1.30	0.73	1.30	1.43
179	1.35	0.73	1.45	1.27	0.73	1.30	1.43
180	1.43	1.43	1.43	1.43	1.43	1.43	1.43

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	478.45	N.A.	12.60
0-30	1016.92	N.A.	26.70
0-40	1667.87	N.A.	43.90
0-60	2961.15	N.A.	77.90
0-80	3718.75	N.A.	97.80
0-90	3797.47	N.A.	99.90
10-90	3673.72	N.A.	96.60
20-40	1189.42	N.A.	31.30
20-50	1867.14	N.A.	49.10
40-70	1768.39	N.A.	46.50
60-80	757.60	N.A.	19.90
70-80	282.48	N.A.	7.40
80-90	78.72	N.A.	2.10
90-110	1.16	N.A.	0.00
90-120	1.80	N.A.	0.00
90-130	2.54	N.A.	0.10
90-150	3.85	N.A.	0.10
90-180	4.72	N.A.	0.10
110-180	3.55	N.A.	0.10
0-180	3802.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.75
10-20	354.70
20-30	538.48
30-40	650.95
40-50	677.71
50-60	615.56
60-70	475.12
70-80	282.48
80-90	78.72
90-100	0.75
100-110	0.41
110-120	0.63
120-130	0.74
130-140	0.72
140-150	0.59
150-160	0.44
160-170	0.31
170-180	0.12

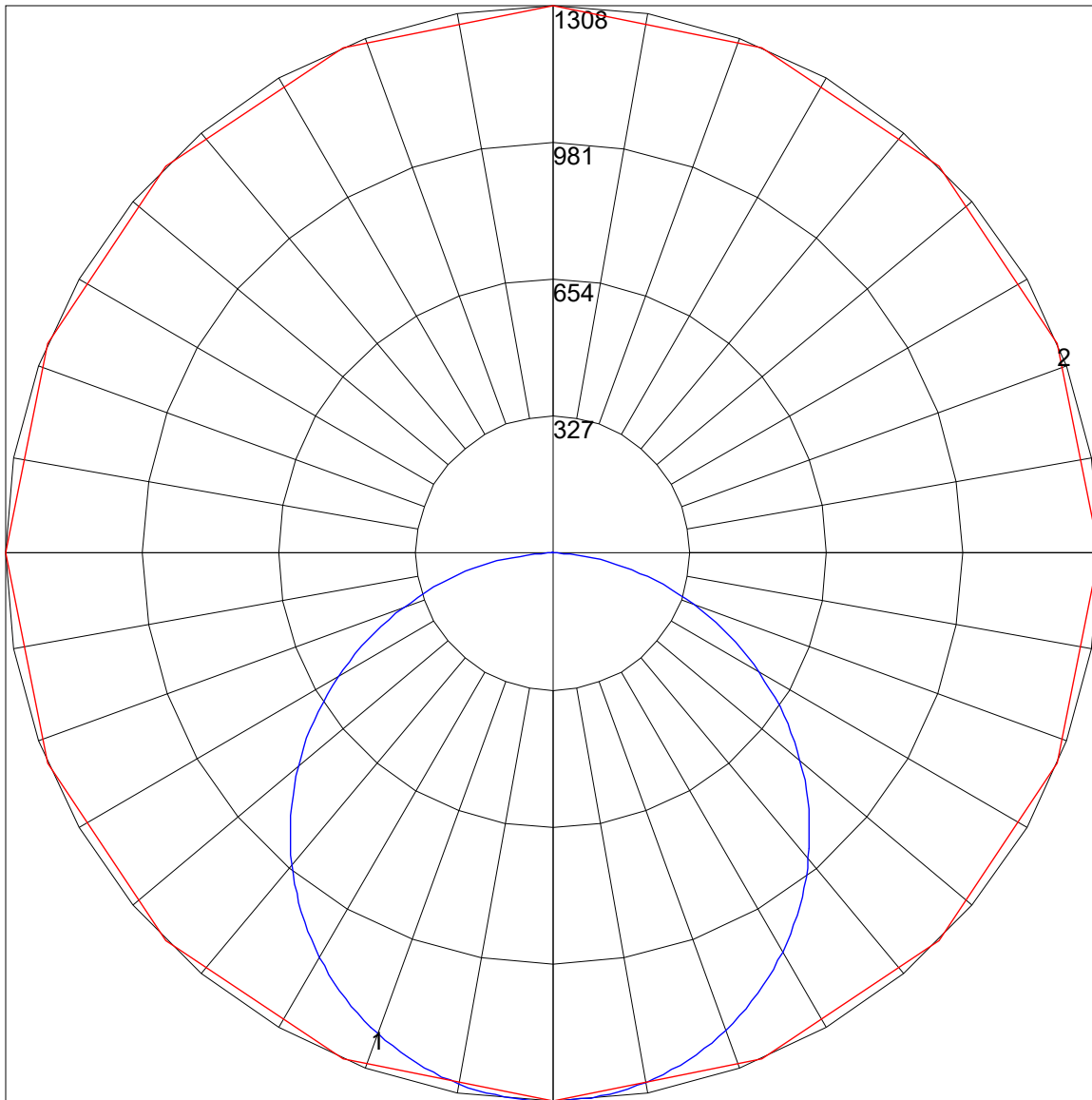
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 22 LW UV FR 840.IES

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	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	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	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	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1307.9 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.)