



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 LW UV FR 835.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 14 October 2019

[ISSUEDATE] 2019-10-14 11:04:52

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 22 LW UV FR 835

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	121.88	121.88	3.26	3.26
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[OTHER]	10- 20	349.44	471.33	12.60	12.60
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[OTHER]	20- 30	530.79	1002.11	26.78	26.78
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[OTHER]	30- 40	642.18	1644.29	43.95	43.95
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[OTHER]	40- 50	668.94	2313.24	61.83	61.83
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[OTHER]	50- 60	607.17	2920.40	78.06	78.06
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[OTHER]	60- 70	466.57	3386.98	90.53	90.53
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[OTHER]	70- 80	274.16	3661.13	97.86	97.86
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[OTHER]	80- 90	75.43	3736.56	99.87	99.87
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[OTHER]	90-100	1.02	3737.58	99.90	99.90
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[OTHER]	100-110	0.40	3737.98	99.91	99.91
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[OTHER]	110-120	0.60	3738.59	99.93	99.93
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[OTHER]	120-130	0.71	3739.30	99.94	99.94
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[OTHER]	130-140	0.68	3739.98	99.96	99.96
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[OTHER]	140-150	0.56	3740.54	99.98	99.98
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[OTHER]	150-160	0.42	3740.97	99.99	99.99
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[OTHER]	160-170	0.29	3741.26	100.00	100.00
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[OTHER]	170-180	0.11	3741.36	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	3741
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	29.3
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)	1.92 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	3543	3566	3615
55	3402	3434	3497
65	3178	3217	3305
75	2799	2858	2982
85	1946	2009	2303

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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	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92
1	1287.35	1287.61	1287.53	1287.69	1287.90	1287.88	1288.22	1288.15	1287.89	1287.96
2	1286.41	1286.86	1286.75	1286.92	1287.04	1287.18	1287.56	1287.66	1287.37	1287.52
3	1285.28	1285.63	1285.42	1285.76	1285.99	1286.38	1286.62	1286.70	1286.19	1286.83
4	1283.32	1283.82	1283.86	1284.45	1284.55	1285.28	1285.44	1285.64	1285.34	1285.53
5	1280.91	1281.72	1281.82	1282.30	1283.05	1283.61	1283.27	1283.81	1283.60	1283.92
6	1278.11	1278.98	1279.46	1279.70	1280.36	1281.15	1281.51	1281.51	1280.82	1281.18
7	1275.14	1275.74	1276.19	1276.71	1277.37	1278.21	1279.07	1278.84	1278.19	1278.43
8	1271.06	1271.96	1272.83	1273.44	1274.10	1275.06	1275.50	1275.59	1274.66	1275.33
9	1267.16	1268.18	1268.81	1269.75	1270.81	1271.75	1271.98	1271.59	1271.70	1271.62
10	1262.73	1263.74	1264.18	1265.59	1266.58	1267.44	1267.89	1267.77	1267.81	1267.30
11	1257.78	1259.08	1259.28	1260.83	1262.06	1263.16	1263.95	1263.38	1262.80	1263.35
12	1252.01	1253.51	1254.23	1255.99	1257.04	1258.06	1258.87	1258.66	1258.30	1258.24
13	1246.61	1247.63	1248.66	1250.43	1251.72	1252.78	1253.34	1253.47	1253.13	1252.72
14	1240.50	1241.08	1242.37	1244.13	1246.13	1247.48	1248.15	1247.69	1247.33	1247.33
15	1233.20	1234.38	1235.47	1237.81	1240.00	1240.68	1241.66	1241.68	1241.11	1241.08
16	1226.43	1227.99	1228.72	1231.03	1232.98	1234.52	1234.70	1234.82	1234.24	1234.27
17	1218.77	1220.41	1221.28	1223.79	1225.95	1227.50	1228.18	1228.37	1227.53	1227.60
18	1210.60	1212.15	1213.36	1216.23	1218.91	1220.38	1220.59	1220.77	1220.30	1220.06
19	1202.45	1203.40	1205.34	1208.15	1210.62	1212.04	1212.90	1212.91	1212.78	1212.28
20	1193.93	1194.92	1196.88	1199.67	1202.36	1204.22	1204.77	1205.01	1204.43	1203.97
21	1184.80	1185.84	1187.47	1190.49	1193.85	1195.45	1196.07	1196.25	1195.65	1195.41
22	1175.18	1176.25	1178.02	1180.96	1184.88	1186.30	1186.83	1187.20	1186.46	1186.48
23	1164.97	1166.56	1168.02	1171.45	1174.99	1177.20	1177.66	1177.70	1177.26	1176.91
24	1155.00	1156.09	1158.14	1161.32	1165.32	1166.87	1167.78	1168.13	1167.52	1167.05
25	1144.25	1145.36	1147.26	1150.69	1154.61	1156.76	1157.87	1158.42	1157.31	1156.68
26	1132.93	1134.42	1136.29	1139.73	1144.05	1146.19	1147.01	1147.61	1147.06	1146.33
27	1121.02	1123.29	1125.07	1128.31	1133.30	1135.26	1136.24	1136.51	1135.99	1135.18
28	1109.32	1111.23	1113.12	1116.57	1121.92	1124.17	1124.93	1125.12	1124.62	1124.12
29	1097.27	1099.02	1100.80	1104.93	1110.11	1111.91	1113.21	1113.60	1112.83	1112.57
30	1084.42	1086.45	1088.59	1092.28	1097.74	1100.00	1101.22	1101.19	1100.72	1099.93
31	1071.59	1073.27	1075.91	1079.58	1085.11	1087.32	1088.87	1089.01	1088.07	1087.50
32	1058.39	1060.30	1062.85	1066.50	1072.17	1074.59	1075.59	1075.71	1075.09	1074.70
33	1044.51	1046.87	1048.66	1052.71	1058.89	1061.18	1062.72	1062.84	1061.56	1061.91
34	1030.49	1032.67	1035.04	1038.82	1044.96	1047.84	1049.08	1049.41	1048.31	1047.91
35	1016.22	1018.26	1020.81	1024.79	1031.06	1033.62	1034.70	1035.31	1034.19	1033.86
36	1001.48	1003.82	1006.38	1010.21	1016.61	1019.23	1020.64	1021.28	1019.91	1020.04
37	986.42	988.66	991.60	995.41	1002.26	1004.75	1006.01	1006.69	1005.85	1005.57
38	971.06	973.51	976.15	980.04	986.78	989.37	991.21	991.70	990.56	990.18
39	955.46	957.64	960.71	965.37	971.43	974.34	975.72	976.48	975.29	974.99
40	939.33	941.79	944.66	949.02	956.22	958.63	960.11	960.86	959.53	959.28
41	923.25	925.64	928.45	932.68	940.14	942.55	944.03	944.73	943.55	943.30
42	906.49	908.82	911.91	916.48	923.44	926.33	928.04	928.55	927.53	927.15
43	889.66	892.12	895.29	899.68	906.81	909.79	911.91	911.94	910.80	910.59
44	872.28	874.82	878.46	882.53	889.93	892.73	894.67	895.11	893.81	893.23
45	855.13	857.67	860.69	865.62	872.50	875.54	877.41	877.96	876.91	876.49
46	837.19	840.27	843.10	847.60	855.12	858.28	859.44	860.76	859.54	858.55
47	819.22	821.82	825.13	829.70	837.33	840.18	841.97	842.84	841.53	841.17
48	800.93	803.80	807.19	811.35	818.94	821.84	823.69	824.62	823.83	822.89
49	782.59	785.18	788.46	793.07	800.58	803.43	805.72	806.54	805.28	804.79
50	763.89	766.47	769.71	774.44	781.88	784.65	787.19	788.08	786.46	786.26
51	744.63	747.50	750.82	755.22	762.69	765.95	768.11	768.62	767.56	767.24
52	725.48	728.26	731.36	735.89	743.65	747.08	749.24	749.69	749.04	748.28
53	705.86	708.64	711.89	716.40	724.26	727.31	729.67	730.30	729.52	728.76

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CANDELA TABULATION - (Cont.)

54	686.43	688.82	692.26	696.78	704.71	707.84	709.89	710.94	709.88	709.32
55	666.21	669.04	672.32	677.18	684.70	687.75	690.42	691.18	690.25	689.37
56	646.22	649.04	652.23	656.65	664.80	667.79	670.30	670.98	670.41	669.38
57	626.03	628.55	631.82	636.57	644.41	647.36	650.04	650.81	649.83	649.02
58	605.51	607.94	611.50	615.94	623.99	626.91	629.60	630.35	629.71	628.81
59	584.94	587.37	590.55	595.32	603.60	606.60	609.03	609.93	609.44	608.12
60	564.03	566.66	569.52	574.16	582.68	585.65	588.23	589.33	588.91	587.35
61	543.14	545.57	548.83	553.33	561.67	564.90	567.40	568.36	567.75	566.49
62	522.17	524.65	527.89	532.49	540.74	543.75	546.35	547.66	546.94	545.57
63	500.74	503.48	506.57	511.04	519.38	522.59	525.20	526.28	525.56	524.31
64	479.72	482.21	485.40	490.01	498.04	501.28	503.83	504.98	504.30	502.90
65	458.47	460.98	464.13	468.68	476.84	480.03	482.75	483.81	482.87	481.71
66	437.12	439.34	442.69	447.09	455.13	458.58	461.27	462.49	461.67	460.46
67	415.88	418.11	421.45	425.93	433.93	437.02	439.86	441.11	440.15	438.95
68	394.40	396.74	400.01	404.44	412.48	415.72	418.53	419.64	419.04	417.64
69	373.21	375.50	378.42	383.25	391.34	394.53	397.15	398.54	397.77	396.08
70	351.74	354.02	357.20	361.58	369.73	372.96	375.75	376.97	376.26	374.56
71	330.36	333.09	335.91	340.34	348.52	351.94	354.40	355.72	354.86	353.17
72	309.57	311.88	314.82	319.04	327.62	330.58	333.26	334.67	333.81	332.14
73	288.37	290.97	293.76	298.11	306.37	309.51	312.27	313.36	312.83	310.95
74	267.83	270.22	273.18	277.52	284.82	288.86	291.18	292.60	291.78	289.90
75	247.29	249.63	252.55	256.26	263.47	267.65	270.53	271.89	270.96	269.11
76	226.86	229.35	232.42	235.01	242.01	246.53	250.07	251.23	250.32	248.27
77	206.77	209.21	212.39	214.34	220.74	225.08	229.68	230.68	229.58	227.96
78	186.79	189.44	192.60	193.82	200.27	204.66	209.71	210.88	209.59	207.96
79	166.99	169.58	172.38	173.72	180.24	184.21	189.73	190.89	189.63	187.94
80	147.81	150.44	152.59	154.21	160.47	164.29	169.55	171.36	170.07	168.55
81	129.20	131.82	133.38	135.08	141.63	145.05	149.82	152.02	150.86	149.20
82	110.50	113.25	114.02	116.28	122.95	125.96	130.29	133.22	131.86	130.31
83	92.73	95.34	95.72	98.09	104.27	107.45	111.33	114.55	113.17	111.64
84	75.11	77.18	77.39	80.64	86.26	89.37	92.53	96.38	94.81	93.42
85	57.90	59.16	59.77	62.70	68.52	71.44	74.48	77.73	76.95	75.21
86	41.35	41.88	42.71	45.83	51.54	54.12	56.47	59.87	59.79	57.20
87	25.21	25.68	26.44	29.42	35.29	37.56	39.45	42.25	42.84	40.10
88	10.58	10.85	11.84	14.38	19.61	21.69	23.66	26.14	27.02	24.28
89	1.06	1.25	1.55	2.28	16.85	7.63	9.36	11.04	11.89	9.53
90	0.27	0.30	0.32	0.29	14.08	0.24	7.84	1.20	10.23	0.90
91	0.21	0.24	0.29	0.24	11.32	0.25	6.32	0.19	8.57	0.78
92	0.19	0.19	0.27	0.24	8.56	0.25	4.80	0.19	6.91	0.65
93	0.19	0.21	0.24	0.21	5.79	0.25	3.28	0.24	5.25	0.52
94	0.21	0.21	0.24	0.19	3.03	0.26	1.76	0.24	3.59	0.39
95	0.19	0.21	0.24	0.19	0.27	0.26	0.24	0.21	1.93	0.27
96	0.19	0.21	0.24	0.19	0.29	0.27	0.24	0.27	0.27	0.27
97	0.19	0.21	0.24	0.20	0.32	0.32	0.27	0.29	0.27	0.29
98	0.19	0.20	0.24	0.21	0.35	0.29	0.27	0.27	0.32	0.32
99	0.19	0.20	0.24	0.22	0.35	0.35	0.29	0.32	0.32	0.35
100	0.19	0.20	0.24	0.22	0.40	0.38	0.32	0.32	0.35	0.37
101	0.19	0.20	0.24	0.23	0.40	0.43	0.37	0.35	0.37	0.40
102	0.19	0.20	0.24	0.24	0.43	0.43	0.38	0.40	0.37	0.43
103	0.19	0.20	0.24	0.25	0.48	0.51	0.43	0.40	0.43	0.43
104	0.19	0.20	0.24	0.25	0.53	0.51	0.45	0.43	0.45	0.48
105	0.19	0.19	0.24	0.26	0.53	0.53	0.48	0.45	0.51	0.53
106	0.20	0.19	0.24	0.27	0.59	0.59	0.56	0.51	0.56	0.59
107	0.22	0.19	0.26	0.28	0.64	0.61	0.59	0.56	0.56	0.59
108	0.23	0.19	0.28	0.28	0.67	0.67	0.61	0.56	0.64	0.61
109	0.25	0.19	0.30	0.29	0.72	0.67	0.67	0.61	0.64	0.64

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CANDELA TABULATION - (Cont.)

110	0.27	0.24	0.33	0.29	0.75	0.75	0.69	0.62	0.69	0.65
111	0.28	0.24	0.35	0.32	0.80	0.75	0.72	0.63	0.72	0.65
112	0.28	0.29	0.43	0.32	0.85	0.80	0.75	0.63	0.69	0.66
113	0.29	0.30	0.45	0.35	0.83	0.85	0.80	0.64	0.72	0.67
114	0.30	0.30	0.47	0.43	0.88	0.88	0.80	0.65	0.75	0.67
115	0.31	0.30	0.49	0.48	0.88	0.93	0.80	0.65	0.83	0.68
116	0.32	0.31	0.50	0.45	0.93	0.96	0.80	0.66	0.85	0.69
117	0.35	0.31	0.52	0.48	0.96	0.99	0.80	0.67	0.86	0.69
118	0.35	0.31	0.53	0.59	0.99	1.01	0.80	0.67	0.86	0.70
119	0.40	0.32	0.61	0.59	1.01	1.04	0.80	0.68	0.87	0.71
120	0.44	0.32	0.61	0.61	1.04	1.04	0.80	0.69	0.88	0.72
121	0.47	0.37	0.64	0.64	1.06	1.07	0.80	0.69	0.89	0.72
122	0.51	0.45	0.67	0.64	1.08	1.09	0.80	0.67	0.91	0.73
123	0.55	0.43	0.75	0.69	1.10	1.12	0.80	0.72	0.92	0.74
124	0.59	0.46	0.77	0.70	1.13	1.12	0.80	0.77	0.93	0.75
125	0.61	0.49	0.77	0.70	1.15	1.17	0.80	0.83	0.93	0.86
126	0.64	0.52	0.76	0.70	1.15	1.18	0.80	0.91	0.96	0.96
127	0.67	0.55	0.75	0.71	1.16	1.23	0.80	0.92	1.04	1.04
128	0.69	0.59	0.75	0.71	1.16	1.25	0.80	0.92	1.05	1.07
129	0.70	0.61	0.74	0.71	1.16	1.26	0.80	0.93	1.06	1.07
130	0.70	0.69	0.73	0.71	1.17	1.26	0.80	0.94	1.07	1.08
131	0.71	0.72	0.72	0.72	1.17	1.26	0.80	0.95	1.08	1.08
132	0.72	0.69	0.72	0.72	1.18	1.26	0.80	0.96	1.09	1.09
133	0.72	0.70	0.71	0.72	1.18	1.26	0.80	0.96	1.10	1.09
134	0.73	0.70	0.70	0.73	1.19	1.26	0.80	0.97	1.11	1.10
135	0.73	0.70	0.70	0.73	1.19	1.27	0.80	0.98	1.12	1.10
136	0.74	0.71	0.69	0.73	1.20	1.27	0.80	0.99	1.13	1.11
137	0.75	0.71	0.68	0.74	1.20	1.27	0.80	0.99	1.14	1.11
138	0.77	0.71	0.67	0.74	1.20	1.27	0.80	1.00	1.15	1.12
139	0.75	0.72	0.67	0.74	1.21	1.27	0.80	1.01	1.16	1.12
140	0.77	0.72	0.66	0.74	1.21	1.27	0.80	1.02	1.17	1.13
141	0.78	0.72	0.65	0.75	1.22	1.28	0.80	1.03	1.18	1.13
142	0.79	0.73	0.65	0.75	1.22	1.28	0.80	1.03	1.19	1.14
143	0.80	0.73	0.64	0.75	1.23	1.28	0.80	1.04	1.20	1.14
144	0.81	0.73	0.61	0.76	1.23	1.28	0.80	1.05	1.20	1.15
145	0.82	0.74	0.61	0.76	1.23	1.28	0.80	1.06	1.20	1.15
146	0.83	0.74	0.60	0.76	1.24	1.28	0.80	1.06	1.20	1.16
147	0.84	0.74	0.59	0.77	1.24	1.29	0.80	1.05	1.21	1.16
148	0.85	0.75	0.57	0.77	1.25	1.29	0.80	1.05	1.21	1.18
149	0.86	0.77	0.56	0.77	1.25	1.29	0.80	1.05	1.21	1.19
150	0.87	0.78	0.55	0.77	1.25	1.29	0.80	1.04	1.21	1.20
151	0.88	0.80	0.53	0.78	1.28	1.29	0.85	1.04	1.21	1.21
152	0.89	0.81	0.53	0.79	1.33	1.29	0.83	1.01	1.22	1.22
153	0.90	0.82	0.54	0.80	1.39	1.30	0.85	0.99	1.22	1.22
154	0.91	0.84	0.54	0.81	1.39	1.30	0.85	0.97	1.22	1.22
155	0.92	0.85	0.54	0.81	1.39	1.30	0.88	0.95	1.22	1.22
156	0.93	0.86	0.54	0.82	1.39	1.30	0.93	0.93	1.23	1.22
157	0.94	0.88	0.54	0.83	1.39	1.30	0.96	0.91	1.23	1.23
158	0.95	0.89	0.55	0.84	1.39	1.31	1.02	0.91	1.23	1.23
159	0.96	0.90	0.55	0.85	1.39	1.31	1.07	0.83	1.23	1.24
160	0.97	0.92	0.55	0.86	1.39	1.31	1.09	0.77	1.23	1.25
161	0.98	0.93	0.55	0.86	1.39	1.32	1.15	0.77	1.24	1.25
162	0.99	0.94	0.56	0.87	1.39	1.33	1.15	0.77	1.24	1.26
163	1.00	0.96	0.56	0.88	1.39	1.34	1.15	0.77	1.24	1.26
164	1.01	0.97	0.56	1.06	1.39	1.34	1.15	0.77	1.24	1.27
165	1.09	0.98	0.56	1.17	1.39	1.35	1.16	0.77	1.24	1.28

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CANDELA TABULATION - (Cont.)

166	1.15	1.07	0.61	1.17	1.39	1.36	1.16	0.77	1.25	1.28
167	1.15	1.12	0.64	1.17	1.39	1.36	1.16	0.77	1.25	1.28
168	1.17	1.12	0.72	1.17	1.39	1.37	1.16	0.77	1.25	1.28
169	1.22	1.13	0.77	1.17	1.39	1.38	1.16	0.77	1.25	1.29
170	1.23	1.13	0.77	1.16	1.39	1.37	1.16	0.77	1.25	1.29
171	1.28	1.13	0.77	1.16	1.39	1.37	1.16	0.77	1.24	1.29
172	1.28	1.13	0.76	1.16	1.39	1.36	1.17	0.77	1.23	1.29
173	1.29	1.14	0.76	1.16	1.39	1.36	1.17	0.77	1.23	1.30
174	1.29	1.14	0.76	1.15	1.39	1.35	1.17	0.77	1.22	1.30
175	1.30	1.14	0.75	1.15	1.39	1.35	1.17	0.77	1.21	1.30
176	1.30	1.15	0.75	1.15	1.39	1.34	1.17	0.77	1.21	1.31
177	1.31	1.15	0.75	1.15	1.39	1.33	1.17	0.77	1.20	1.31
178	1.31	1.15	0.75	1.15	1.39	1.33	1.17	0.77	1.20	1.31
179	1.31	1.15	0.75	1.15	1.39	1.33	1.17	0.77	1.20	1.31
180	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31

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	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92	1287.92
1	1287.57	1287.65	1287.71	1287.53	1287.96	1287.73	1287.35
2	1287.31	1287.41	1286.94	1286.92	1286.83	1286.29	1286.41
3	1286.09	1286.23	1285.94	1285.51	1286.00	1285.65	1285.28
4	1284.58	1284.64	1284.14	1284.11	1283.82	1283.64	1283.32
5	1282.67	1282.59	1282.15	1281.70	1281.62	1281.17	1280.91
6	1280.26	1280.29	1279.44	1279.05	1278.78	1278.48	1278.11
7	1277.64	1276.80	1276.62	1276.27	1275.93	1275.40	1275.14
8	1274.43	1274.15	1273.48	1272.80	1272.36	1271.49	1271.06
9	1271.10	1270.63	1269.79	1268.90	1268.05	1267.23	1267.16
10	1266.79	1266.54	1265.71	1264.50	1263.65	1262.82	1262.73
11	1262.51	1261.85	1260.71	1259.74	1258.66	1257.90	1257.78
12	1257.11	1256.82	1255.84	1254.38	1253.69	1252.88	1252.01
13	1251.79	1251.56	1250.04	1248.49	1247.53	1246.62	1246.61
14	1245.78	1245.29	1243.70	1242.44	1241.53	1240.49	1240.50
15	1239.94	1239.04	1237.74	1236.06	1234.75	1233.29	1233.20
16	1233.20	1232.48	1230.94	1228.79	1227.61	1226.30	1226.43
17	1225.97	1225.36	1223.37	1221.63	1220.36	1219.34	1218.77
18	1218.43	1218.06	1215.46	1213.90	1212.11	1211.23	1210.60
19	1210.90	1210.20	1207.49	1205.82	1204.31	1202.75	1202.45
20	1202.51	1201.40	1199.15	1197.01	1195.75	1194.34	1193.93
21	1193.82	1192.68	1190.03	1187.73	1185.97	1185.11	1184.80
22	1184.86	1183.69	1180.67	1178.19	1176.69	1175.52	1175.18
23	1175.09	1174.15	1171.28	1168.75	1166.83	1165.44	1164.97
24	1165.39	1164.28	1160.84	1158.32	1156.28	1155.03	1155.00
25	1155.15	1153.61	1150.37	1147.78	1145.50	1144.70	1144.25
26	1144.44	1142.75	1139.76	1136.65	1134.02	1133.52	1132.93
27	1133.69	1132.37	1128.53	1125.22	1122.97	1121.82	1121.02
28	1122.01	1120.55	1116.44	1113.48	1111.34	1110.06	1109.32
29	1110.02	1108.76	1104.64	1101.46	1099.08	1097.53	1097.27
30	1098.16	1096.58	1091.81	1088.97	1086.62	1085.07	1084.42
31	1085.44	1084.10	1079.43	1076.24	1073.33	1072.24	1071.59
32	1072.69	1070.86	1066.14	1062.63	1060.26	1059.05	1058.39
33	1059.46	1057.33	1052.78	1049.36	1046.46	1045.02	1044.51
34	1045.76	1043.94	1038.90	1035.28	1032.65	1030.78	1030.49
35	1031.57	1030.06	1024.51	1020.94	1018.08	1016.81	1016.22
36	1017.53	1015.34	1010.18	1006.63	1003.92	1002.02	1001.48

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CANDELA TABULATION - (Cont.)

37	1002.57	1000.73	995.21	991.57	988.63	987.17	986.42
38	987.68	985.51	980.16	976.29	973.44	971.64	971.06
39	972.44	970.10	964.80	960.72	957.89	956.30	955.46
40	957.03	954.44	948.81	944.95	941.94	940.20	939.33
41	940.89	938.39	932.67	928.50	925.73	923.86	923.25
42	924.50	922.26	916.35	912.16	909.17	907.58	906.49
43	907.78	905.36	899.57	895.40	892.25	890.58	889.66
44	891.09	888.35	882.61	878.37	874.85	873.10	872.28
45	873.52	871.32	865.46	860.84	857.93	855.86	855.13
46	856.48	853.59	847.90	843.45	839.89	838.13	837.19
47	838.46	835.76	829.91	825.36	822.16	820.07	819.22
48	820.54	817.40	811.73	807.22	803.78	801.87	800.93
49	802.14	799.18	792.98	788.84	785.24	783.34	782.59
50	783.41	780.58	774.74	770.07	766.47	764.54	763.89
51	764.50	761.53	755.59	750.95	747.37	745.72	744.63
52	745.13	742.35	736.52	731.85	728.13	726.28	725.48
53	726.27	722.91	717.18	712.16	708.80	706.64	705.86
54	706.32	703.23	697.38	692.41	688.99	686.65	686.43
55	686.48	683.55	677.78	672.60	669.10	666.82	666.21
56	666.39	663.60	657.73	652.46	648.60	646.70	646.22
57	646.17	643.01	637.48	632.19	628.66	626.41	626.03
58	625.66	622.68	617.09	611.64	608.01	605.85	605.51
59	605.04	602.29	596.32	591.06	587.23	585.31	584.94
60	584.49	581.20	575.48	570.46	566.34	564.34	564.03
61	563.40	560.37	554.72	549.02	545.50	543.54	543.14
62	542.59	539.05	533.48	528.46	524.42	522.49	522.17
63	521.09	517.93	512.22	507.04	503.21	501.23	500.74
64	499.79	496.61	490.82	485.83	481.98	480.06	479.72
65	478.67	475.14	469.63	464.40	460.62	458.51	458.47
66	457.02	453.59	448.01	442.77	439.09	437.18	437.12
67	435.54	432.09	426.80	421.52	417.79	415.96	415.88
68	414.02	410.84	405.16	400.16	396.41	394.70	394.40
69	392.50	389.38	383.77	378.64	374.94	373.39	373.21
70	371.06	367.52	362.04	356.95	353.59	351.90	351.74
71	349.66	346.30	341.06	335.93	332.33	330.88	330.36
72	328.45	324.78	319.52	314.73	311.10	309.54	309.57
73	307.12	303.53	298.28	293.65	289.96	288.72	288.37
74	286.26	282.42	276.89	272.72	269.42	267.96	267.83
75	265.50	261.48	255.27	251.39	248.59	247.50	247.29
76	244.82	240.23	233.71	230.23	228.47	226.95	226.86
77	224.33	218.73	212.67	208.94	208.55	207.02	206.77
78	204.43	198.22	191.73	188.37	188.62	187.04	186.79
79	184.39	177.66	171.63	168.33	168.29	167.47	166.99
80	164.40	157.55	151.78	148.65	148.42	148.13	147.81
81	144.54	138.32	132.58	129.45	129.03	129.32	129.20
82	125.13	119.69	113.78	110.77	110.01	110.70	110.50
83	106.22	101.00	95.80	92.68	91.73	92.74	92.73
84	87.86	83.00	78.17	75.20	73.65	74.62	75.11
85	69.58	65.63	60.93	57.80	56.03	56.86	57.90
86	52.22	48.71	44.53	40.99	39.28	39.96	41.35
87	35.87	32.36	28.27	25.06	23.36	23.88	25.21
88	20.15	17.07	13.56	10.53	9.19	9.41	10.58
89	6.79	14.27	1.36	0.72	0.68	0.78	1.06
90	0.27	11.47	0.28	0.27	0.28	0.66	0.27
91	0.27	8.67	0.24	0.24	0.19	0.54	0.21
92	0.28	5.87	0.24	0.21	0.19	0.42	0.19

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CANDELA TABULATION - (Cont.)

93	0.28	3.07	0.24	0.22	0.16	0.30	0.19
94	0.28	0.27	0.23	0.22	0.16	0.30	0.21
95	0.29	0.24	0.23	0.22	0.15	0.30	0.19
96	0.29	0.29	0.23	0.22	0.14	0.30	0.19
97	0.29	0.27	0.22	0.22	0.13	0.30	0.19
98	0.32	0.32	0.22	0.22	0.12	0.30	0.19
99	0.32	0.35	0.22	0.23	0.14	0.30	0.19
100	0.35	0.40	0.21	0.23	0.15	0.30	0.19
101	0.37	0.43	0.21	0.23	0.17	0.30	0.19
102	0.37	0.45	0.20	0.23	0.18	0.30	0.19
103	0.43	0.45	0.20	0.23	0.20	0.30	0.19
104	0.48	0.51	0.20	0.23	0.21	0.30	0.19
105	0.51	0.56	0.19	0.24	0.21	0.30	0.19
106	0.56	0.56	0.19	0.24	0.24	0.30	0.20
107	0.59	0.62	0.19	0.24	0.29	0.29	0.22
108	0.67	0.67	0.26	0.24	0.29	0.29	0.23
109	0.70	0.72	0.29	0.29	0.32	0.29	0.25
110	0.75	0.77	0.31	0.27	0.35	0.29	0.27
111	0.77	0.78	0.32	0.32	0.35	0.30	0.28
112	0.83	0.83	0.33	0.37	0.43	0.32	0.28
113	0.83	0.88	0.35	0.43	0.45	0.33	0.29
114	0.83	0.96	0.36	0.44	0.45	0.34	0.30
115	0.83	0.99	0.37	0.45	0.58	0.35	0.31
116	0.83	0.99	0.40	0.47	0.67	0.36	0.32
117	0.83	1.04	0.43	0.48	0.67	0.38	0.35
118	0.83	1.04	0.43	0.49	0.67	0.39	0.35
119	0.83	1.05	0.48	0.51	0.67	0.40	0.40
120	0.83	1.06	0.49	0.56	0.67	0.48	0.44
121	0.83	1.07	0.50	0.59	0.67	0.53	0.47
122	0.83	1.08	0.51	0.56	0.67	0.61	0.51
123	0.83	1.09	0.52	0.67	0.68	0.62	0.55
124	0.83	1.07	0.53	0.64	0.68	0.63	0.59
125	0.83	1.07	0.61	0.67	0.69	0.64	0.61
126	0.83	1.07	0.64	0.69	0.69	0.64	0.64
127	0.83	1.07	0.67	0.69	0.69	0.65	0.67
128	0.83	1.08	0.72	0.69	0.72	0.66	0.69
129	0.83	1.08	0.72	0.69	0.71	0.67	0.70
130	0.83	1.08	0.72	0.69	0.70	0.68	0.70
131	0.83	1.08	0.72	0.69	0.69	0.68	0.71
132	0.83	1.08	0.72	0.69	0.68	0.69	0.72
133	0.83	1.08	0.72	0.69	0.67	0.70	0.72
134	0.83	1.09	0.77	0.69	0.66	0.71	0.73
135	0.83	1.09	0.77	0.69	0.65	0.72	0.73
136	0.83	1.09	0.77	0.69	0.64	0.72	0.74
137	0.83	1.09	0.77	0.69	0.63	0.73	0.75
138	0.83	1.10	0.76	0.69	0.62	0.74	0.77
139	0.83	1.10	0.76	0.69	0.61	0.74	0.75
140	0.83	1.10	0.76	0.69	0.64	0.75	0.77
141	0.83	1.10	0.76	0.69	0.59	0.75	0.78
142	0.83	1.11	0.76	0.69	0.59	0.76	0.79
143	0.83	1.11	0.76	0.69	0.56	0.76	0.80
144	0.83	1.11	0.75	0.69	0.53	0.77	0.81
145	0.83	1.11	0.75	0.69	0.51	0.77	0.82
146	0.83	1.12	0.75	0.69	0.48	0.78	0.83
147	0.83	1.12	0.75	0.69	0.45	0.79	0.84
148	0.83	1.12	0.75	0.69	0.43	0.79	0.85

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CANDELA TABULATION - (Cont.)

149	0.85	1.09	0.75	0.69	0.43	0.80	0.86
150	0.86	1.09	0.72	0.69	0.43	0.80	0.87
151	0.88	1.04	0.72	0.69	0.43	0.81	0.88
152	0.91	0.99	0.72	0.69	0.43	0.81	0.89
153	0.91	0.91	0.72	0.69	0.43	0.82	0.90
154	0.96	0.85	0.72	0.69	0.44	0.82	0.91
155	0.96	0.85	0.72	0.69	0.44	0.83	0.92
156	0.99	0.84	0.72	0.69	0.44	0.83	0.93
157	1.04	0.84	0.72	0.69	0.44	0.84	0.94
158	1.02	0.84	0.76	0.69	0.44	0.85	0.95
159	1.02	0.83	0.80	0.69	0.45	0.85	0.96
160	1.03	0.83	0.84	0.74	0.45	0.86	0.97
161	1.04	0.82	0.88	0.78	0.45	0.86	0.98
162	1.05	0.82	0.92	0.82	0.48	0.87	0.99
163	1.06	0.81	0.96	0.86	0.51	0.87	1.00
164	1.07	0.81	1.09	0.91	0.55	0.88	1.01
165	1.08	0.80	1.14	1.04	0.58	1.04	1.09
166	1.09	0.80	1.20	1.01	0.61	1.14	1.15
167	1.10	0.79	1.23	1.04	0.67	1.16	1.15
168	1.11	0.79	1.25	1.04	0.69	1.17	1.17
169	1.12	0.78	1.23	1.06	0.69	1.18	1.22
170	1.13	0.78	1.28	1.08	0.67	1.19	1.23
171	1.14	0.78	1.29	1.10	0.72	1.20	1.28
172	1.15	0.77	1.30	1.12	0.75	1.20	1.28
173	1.16	0.77	1.31	1.13	0.72	1.20	1.29
174	1.16	0.76	1.32	1.14	0.72	1.20	1.29
175	1.17	0.76	1.33	1.15	0.75	1.20	1.30
176	1.17	0.75	1.33	1.16	0.77	1.20	1.30
177	1.17	0.75	1.33	1.17	0.75	1.20	1.31
178	1.17	0.75	1.33	1.17	0.75	1.20	1.31
179	1.17	0.75	1.33	1.17	0.75	1.20	1.31
180	1.31	1.31	1.31	1.31	1.31	1.31	1.31

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	471.33	N.A.	12.60
0-30	1002.11	N.A.	26.80
0-40	1644.29	N.A.	43.90
0-60	2920.4	N.A.	78.10
0-80	3661.13	N.A.	97.90
0-90	3736.56	N.A.	99.90
10-90	3614.68	N.A.	96.60
20-40	1172.97	N.A.	31.40
20-50	1841.91	N.A.	49.20
40-70	1742.68	N.A.	46.60
60-80	740.73	N.A.	19.80
70-80	274.16	N.A.	7.30
80-90	75.43	N.A.	2.00
90-110	1.42	N.A.	0.00
90-120	2.02	N.A.	0.10
90-130	2.74	N.A.	0.10
90-150	3.98	N.A.	0.10
90-180	4.80	N.A.	0.10
110-180	3.38	N.A.	0.10
0-180	3741.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.88
10-20	349.44
20-30	530.79
30-40	642.18
40-50	668.94
50-60	607.17
60-70	466.57
70-80	274.16
80-90	75.43
90-100	1.02
100-110	0.40
110-120	0.60
120-130	0.71
130-140	0.68
140-150	0.56
150-160	0.42
160-170	0.29
170-180	0.11

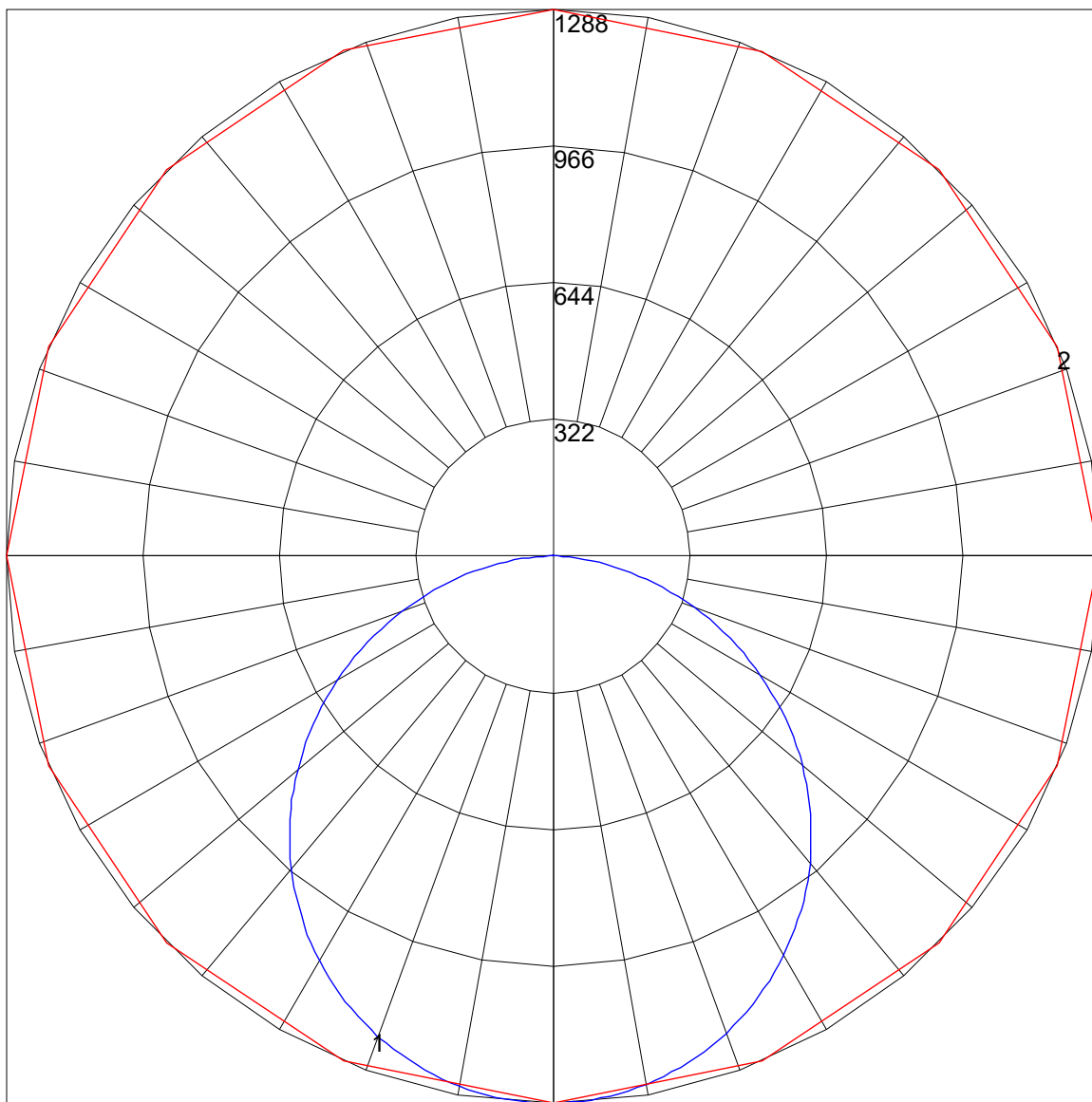
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 22 LW UV FR 835.IES

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	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	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	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

POLAR GRAPH



Maximum Candela = 1288.22 Located At Horizontal Angle = 135, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)