



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 MD 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 10:58:56

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 14 MD UV FR 835

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	116.77	116.77	3.21	3.21
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[OTHER]	10- 20	335.77	452.54	12.45	12.45
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[OTHER]	20- 30	512.49	965.03	26.54	26.54
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[OTHER]	30- 40	623.41	1588.44	43.69	43.69
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[OTHER]	40- 50	652.69	2241.14	61.65	61.65
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[OTHER]	50- 60	594.35	2835.48	77.99	77.99
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[OTHER]	60- 70	455.88	3291.36	90.53	90.53
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[OTHER]	70- 80	264.58	3555.95	97.81	97.81
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[OTHER]	80- 90	75.05	3631.00	99.88	99.88
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[OTHER]	90-100	0.86	3631.86	99.90	99.90
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[OTHER]	100-110	0.49	3632.35	99.91	99.91
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[OTHER]	110-120	0.56	3632.91	99.93	99.93
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[OTHER]	120-130	0.54	3633.45	99.94	99.94
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[OTHER]	130-140	0.57	3634.03	99.96	99.96
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[OTHER]	140-150	0.54	3634.57	99.97	99.97
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[OTHER]	150-160	0.46	3635.03	99.99	99.99
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[OTHER]	160-170	0.33	3635.36	100.00	100.00
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[OTHER]	170-180	0.12	3635.48	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	3635
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	28.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.92 ft
Luminous Width (90-270)	3.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3528	3610	3581
55	3399	3495	3475
65	3174	3273	3276
75	2782	2889	2905
85	2015	2256	2399

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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	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05
1	1232.18	1232.50	1232.05	1232.28	1232.90	1233.24	1233.32	1232.90	1233.06	1233.10
2	1231.44	1231.76	1231.41	1231.60	1232.15	1233.06	1233.07	1232.92	1232.54	1232.75
3	1230.45	1230.48	1230.55	1230.10	1231.30	1232.02	1232.47	1231.90	1231.55	1232.20
4	1228.78	1229.17	1229.04	1228.66	1229.86	1230.57	1231.17	1230.84	1230.39	1231.08
5	1225.99	1226.71	1226.87	1226.46	1228.50	1229.44	1230.34	1229.43	1228.80	1229.76
6	1224.13	1224.33	1224.09	1223.74	1226.36	1226.92	1228.52	1227.18	1226.78	1228.04
7	1220.89	1221.56	1221.82	1220.85	1223.46	1224.83	1226.09	1224.97	1224.89	1226.05
8	1217.98	1218.96	1218.91	1217.48	1220.78	1222.53	1223.81	1221.85	1221.68	1223.52
9	1214.00	1215.44	1215.65	1213.50	1218.01	1219.87	1221.74	1218.85	1218.52	1220.68
10	1209.86	1211.76	1212.09	1209.33	1213.88	1216.11	1218.67	1215.24	1214.98	1217.12
11	1205.92	1207.16	1207.79	1204.71	1209.88	1211.66	1214.92	1211.25	1210.91	1213.42
12	1200.96	1202.41	1203.18	1199.64	1205.39	1208.03	1210.95	1207.25	1206.21	1209.43
13	1195.90	1197.74	1198.73	1194.68	1200.07	1203.12	1207.15	1202.16	1201.85	1205.41
14	1190.09	1192.34	1193.56	1189.02	1194.97	1198.02	1202.58	1197.35	1196.56	1200.42
15	1183.98	1186.62	1187.92	1182.57	1189.04	1192.76	1197.34	1191.50	1191.04	1194.82
16	1177.36	1180.14	1182.24	1176.27	1182.89	1186.84	1192.22	1185.57	1185.31	1189.40
17	1170.83	1173.71	1175.73	1169.53	1176.20	1180.23	1186.27	1179.14	1179.21	1183.54
18	1163.75	1166.65	1169.02	1161.96	1169.75	1174.19	1180.12	1172.59	1172.34	1177.14
19	1155.56	1159.36	1162.10	1154.38	1162.10	1167.07	1174.03	1165.19	1165.49	1170.27
20	1147.73	1151.42	1155.22	1146.58	1154.63	1159.49	1167.41	1157.58	1157.97	1163.34
21	1139.65	1143.21	1147.04	1138.33	1146.16	1151.85	1159.91	1149.88	1150.36	1155.55
22	1131.02	1134.54	1139.18	1129.56	1137.66	1143.75	1152.02	1141.73	1141.92	1147.60
23	1121.80	1125.45	1130.43	1120.32	1128.99	1135.42	1144.05	1132.94	1133.15	1139.33
24	1112.19	1116.21	1121.85	1110.75	1119.55	1126.64	1135.55	1123.99	1124.13	1130.65
25	1102.40	1106.34	1112.74	1100.88	1110.02	1116.97	1126.86	1114.50	1114.96	1121.18
26	1092.12	1096.18	1103.23	1090.76	1100.15	1107.54	1117.40	1104.78	1105.57	1111.64
27	1081.94	1085.95	1093.24	1080.22	1090.08	1098.08	1108.04	1094.71	1095.67	1101.63
28	1070.83	1075.06	1082.70	1069.13	1079.29	1087.38	1098.11	1084.24	1085.17	1090.97
29	1059.31	1063.87	1072.02	1058.04	1068.34	1076.94	1087.64	1073.11	1074.03	1080.30
30	1047.81	1051.95	1061.21	1046.69	1057.36	1065.58	1076.99	1062.03	1063.20	1069.16
31	1035.32	1039.97	1049.56	1034.56	1045.24	1054.59	1065.32	1050.12	1051.36	1057.70
32	1023.18	1027.64	1037.93	1022.37	1032.94	1042.42	1053.52	1037.96	1039.19	1045.41
33	1010.27	1014.89	1025.61	1009.95	1020.31	1030.12	1041.76	1025.85	1027.30	1033.32
34	997.31	1001.94	1013.03	996.64	1008.02	1017.94	1029.57	1013.30	1014.58	1020.71
35	983.65	987.98	1000.09	983.52	994.64	1005.18	1016.39	999.95	1001.58	1007.26
36	970.24	974.55	987.02	969.90	981.09	991.71	1003.34	986.61	988.28	993.75
37	956.35	960.63	973.35	955.88	967.50	977.87	989.56	973.09	974.40	979.80
38	941.61	946.47	959.27	942.06	952.96	964.19	975.33	958.85	960.42	965.51
39	926.69	931.67	944.86	927.73	938.64	949.85	961.21	944.48	946.11	951.09
40	911.70	916.47	930.46	912.91	923.82	935.31	946.43	929.99	931.51	936.38
41	896.28	900.89	915.23	897.87	908.67	920.72	931.41	914.90	916.03	921.43
42	880.60	885.33	899.56	882.49	893.24	905.43	915.84	899.64	901.07	905.72
43	864.87	869.20	883.93	866.61	877.18	890.29	900.23	883.96	885.28	889.99
44	848.34	852.68	867.88	850.51	861.22	873.92	883.76	868.19	869.26	873.59
45	832.04	836.07	851.40	834.40	844.70	857.71	867.46	851.81	853.39	856.95
46	815.06	819.27	834.53	817.88	828.01	841.57	850.51	835.42	836.61	839.94
47	797.68	801.62	817.27	801.14	810.95	824.67	833.56	818.43	819.26	823.16
48	780.13	784.21	799.84	783.73	793.32	807.29	816.01	801.43	802.11	805.71
49	762.17	766.29	782.05	766.39	776.15	790.08	798.45	784.14	784.76	787.96
50	744.12	748.56	763.58	748.43	758.17	772.35	780.63	766.34	767.36	769.80
51	726.05	730.01	745.21	730.67	740.06	754.11	762.18	748.32	749.15	751.90
52	707.29	711.48	726.72	712.33	721.82	735.74	743.72	729.94	730.82	733.04
53	688.41	692.74	707.41	693.99	703.38	717.46	724.77	711.56	712.29	714.13

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PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

CANDELA TABULATION - (Cont.)

54	669.36	673.31	688.23	675.16	684.49	698.55	705.52	692.72	693.30	695.16
55	650.21	654.32	668.75	656.08	664.88	679.24	686.28	673.68	674.22	675.92
56	630.70	634.77	648.91	636.82	645.71	659.89	666.35	654.57	654.89	656.41
57	610.89	614.91	628.62	617.53	626.00	639.85	646.60	634.90	635.49	636.59
58	591.10	595.10	608.74	597.80	606.18	620.21	626.19	615.24	615.83	616.43
59	570.95	574.92	587.80	577.74	586.21	600.03	606.06	595.64	595.94	596.56
60	550.68	554.64	567.02	557.67	565.83	579.50	585.38	575.40	576.02	576.30
61	530.61	534.20	546.36	537.79	545.48	558.98	564.57	555.08	555.71	555.63
62	509.77	513.25	525.38	517.31	524.74	538.17	543.92	534.59	535.33	535.05
63	489.14	492.45	504.02	496.46	503.61	517.34	522.65	514.04	514.85	514.08
64	468.39	471.75	482.80	475.76	482.64	495.74	501.25	493.10	493.89	493.05
65	447.40	450.39	461.36	454.88	461.80	474.80	480.29	472.33	473.31	471.86
66	426.21	429.51	440.08	433.79	441.00	453.19	458.63	451.49	452.18	450.67
67	405.53	408.56	418.82	412.74	419.56	431.72	437.58	430.44	431.04	429.62
68	384.51	387.62	397.16	391.55	398.79	409.91	415.55	409.49	409.87	408.24
69	363.48	366.31	375.76	370.34	377.54	388.64	394.44	388.49	389.28	387.18
70	342.47	345.54	354.32	349.06	356.27	366.97	372.45	367.20	368.14	365.68
71	321.64	324.67	333.16	328.43	334.96	345.23	351.35	346.53	347.32	344.67
72	301.03	303.74	312.06	307.36	313.59	323.67	329.76	325.51	326.39	323.41
73	280.46	283.12	290.71	286.51	292.49	302.34	308.42	304.87	305.49	302.53
74	260.16	262.78	269.94	265.85	271.39	281.14	287.14	284.47	284.84	281.69
75	240.20	242.78	249.43	245.76	250.83	260.03	266.20	264.09	264.23	261.15
76	220.05	222.97	228.88	225.59	230.29	239.28	245.57	243.58	243.95	240.58
77	200.56	203.23	209.38	205.93	210.33	218.68	224.82	223.54	223.70	220.55
78	181.24	183.91	189.34	186.53	190.76	199.18	204.76	203.83	203.89	200.50
79	162.17	164.86	170.20	167.69	171.64	179.80	185.20	184.47	184.19	180.92
80	143.47	146.17	151.05	149.70	152.74	160.75	166.04	165.28	165.03	161.67
81	125.49	128.26	133.32	131.85	134.98	142.22	147.42	146.96	146.60	143.22
82	108.06	110.65	115.53	114.66	117.69	124.25	129.30	128.66	128.18	124.86
83	91.11	94.04	98.69	97.91	101.05	107.30	111.41	110.86	110.26	106.87
84	74.65	77.47	81.96	82.31	85.16	90.68	94.28	93.52	92.85	89.80
85	58.57	61.35	65.58	67.07	69.75	75.01	77.75	77.14	76.02	73.00
86	42.76	45.57	50.11	52.43	55.47	60.21	61.78	61.43	60.02	57.34
87	27.79	30.58	35.10	38.31	41.39	45.50	46.28	45.57	44.32	41.76
88	13.36	16.60	20.38	22.89	27.07	31.07	31.79	30.88	29.06	26.74
89	2.13	3.32	3.97	4.69	8.23	12.47	17.13	16.69	14.70	13.49
90	1.86	0.44	0.37	0.27	0.09	10.93	1.78	4.07	2.98	2.39
91	1.59	0.32	0.22	0.20	0.12	9.39	1.55	3.32	0.42	0.32
92	1.31	0.32	0.19	0.17	0.09	7.85	1.33	2.57	0.43	0.32
93	1.04	0.32	0.17	0.12	0.09	6.32	1.11	1.82	0.45	0.35
94	0.77	0.32	0.17	0.14	0.10	4.78	0.89	1.07	0.45	0.35
95	0.98	0.32	0.17	0.14	0.11	3.24	0.66	0.32	0.51	0.38
96	1.11	0.32	0.17	0.14	0.12	1.71	0.44	0.32	0.56	0.45
97	1.22	0.32	0.17	0.15	0.13	0.17	0.22	0.35	0.61	0.48
98	1.30	0.32	0.17	0.15	0.14	0.14	0.25	0.37	0.69	0.51
99	1.35	0.33	0.17	0.15	0.15	0.20	0.25	0.43	0.77	0.61
100	1.38	0.33	0.17	0.15	0.16	0.17	0.27	0.48	0.88	0.67
101	1.51	0.34	0.17	0.15	0.17	0.20	0.27	0.48	0.93	0.72
102	1.59	0.35	0.17	0.15	0.19	0.20	0.30	0.53	1.04	0.75
103	1.57	0.35	0.17	0.15	0.20	0.26	0.27	0.53	1.09	0.83
104	1.51	0.36	0.17	0.16	0.22	0.28	0.33	0.58	1.22	0.88
105	1.46	0.37	0.17	0.16	0.23	0.34	0.38	0.61	1.25	0.89
106	1.43	0.37	0.17	0.16	0.26	0.31	0.41	0.66	1.28	0.89
107	1.38	0.40	0.17	0.16	0.32	0.31	0.46	0.67	1.30	0.89
108	1.30	0.48	0.17	0.16	0.32	0.37	0.49	0.67	1.33	0.90
109	1.27	0.53	0.17	0.16	0.41	0.37	0.49	0.68	1.35	0.90

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

CANDELA TABULATION - (Cont.)

110	1.22	0.64	0.17	0.17	0.43	0.43	0.52	0.68	1.38	0.91
111	1.20	0.67	0.17	0.17	0.40	0.45	0.55	0.69	1.35	0.91
112	1.12	0.69	0.17	0.17	0.41	0.45	0.55	0.69	1.33	0.92
113	1.09	0.68	0.19	0.17	0.43	0.48	0.56	0.70	1.30	0.92
114	1.04	0.66	0.17	0.20	0.44	0.50	0.58	0.70	1.27	0.92
115	0.93	0.65	0.22	0.23	0.49	0.51	0.59	0.70	1.25	0.93
116	0.85	0.63	0.27	0.25	0.46	0.52	0.61	0.71	1.22	0.93
117	0.77	0.64	0.27	0.28	0.49	0.53	0.62	0.71	1.17	0.88
118	0.69	0.64	0.36	0.34	0.52	0.55	0.63	0.72	1.09	0.85
119	0.53	0.65	0.36	0.34	0.49	0.56	0.65	0.72	0.96	0.88
120	0.50	0.65	0.36	0.34	0.55	0.57	0.66	0.73	0.88	0.80
121	0.49	0.66	0.37	0.34	0.52	0.58	0.67	0.73	0.80	0.77
122	0.48	0.66	0.37	0.34	0.52	0.60	0.68	0.73	0.69	0.75
123	0.47	0.67	0.37	0.34	0.55	0.62	0.74	0.74	0.69	0.77
124	0.46	0.64	0.37	0.34	0.58	0.64	0.75	0.74	0.48	0.80
125	0.46	0.72	0.38	0.35	0.58	0.66	0.76	0.80	0.48	0.85
126	0.47	0.75	0.38	0.35	0.55	0.68	0.77	0.88	0.48	0.93
127	0.47	0.80	0.38	0.36	0.64	0.69	0.78	0.93	0.49	0.96
128	0.47	0.81	0.38	0.36	0.67	0.69	0.79	1.01	0.49	1.01
129	0.47	0.82	0.44	0.36	0.69	0.70	0.81	1.01	0.49	1.07
130	0.47	0.83	0.44	0.37	0.66	0.70	0.82	1.06	0.50	1.20
131	0.47	0.84	0.49	0.37	0.67	0.70	0.84	1.12	0.50	1.36
132	0.48	0.84	0.52	0.38	0.68	0.71	0.82	1.22	0.50	1.37
133	0.48	0.85	0.54	0.38	0.69	0.71	0.82	1.25	0.50	1.37
134	0.48	0.86	0.56	0.38	0.70	0.72	0.90	1.27	0.48	1.38
135	0.48	0.87	0.57	0.39	0.71	0.72	0.87	1.30	0.53	1.38
136	0.48	0.87	0.59	0.39	0.72	0.73	0.90	1.33	0.51	1.39
137	0.48	0.88	0.60	0.40	0.74	0.73	0.93	1.35	0.56	1.33
138	0.49	0.88	0.69	0.43	0.75	0.74	0.95	1.38	0.53	1.33
139	0.49	0.89	0.69	0.43	0.76	0.77	0.98	1.38	0.56	1.33
140	0.49	0.90	0.70	0.45	0.78	0.79	0.98	1.38	0.58	1.33
141	0.49	0.90	0.71	0.45	0.75	0.81	1.04	1.38	0.56	1.32
142	0.49	0.91	0.72	0.47	0.81	0.82	1.09	1.38	0.58	1.32
143	0.49	0.92	0.73	0.49	0.78	0.84	1.09	1.38	0.59	1.32
144	0.50	0.93	0.74	0.50	0.79	0.85	1.12	1.38	0.64	1.31
145	0.50	0.93	0.80	0.52	0.81	0.87	1.14	1.39	0.64	1.31
146	0.50	0.94	0.82	0.54	0.82	0.88	1.16	1.39	0.66	1.31
147	0.50	0.95	0.85	0.60	0.83	0.85	1.17	1.39	0.67	1.31
148	0.50	0.96	0.91	0.71	0.84	0.88	1.19	1.39	0.72	1.25
149	0.50	1.01	0.93	0.74	0.85	0.88	1.20	1.39	0.72	1.23
150	0.53	1.01	0.96	0.71	0.85	0.91	1.21	1.39	0.74	1.20
151	0.56	1.02	0.98	0.79	0.86	0.94	1.23	1.39	0.77	1.15
152	0.64	1.03	1.00	0.80	0.86	0.96	1.24	1.39	0.77	1.17
153	0.66	1.03	1.02	0.80	0.87	0.97	1.25	1.39	0.80	1.17
154	0.69	1.04	1.03	0.81	0.87	0.99	1.26	1.39	0.81	1.12
155	0.66	1.05	1.04	0.82	0.88	0.96	1.26	1.39	0.83	1.11
156	0.69	1.05	1.06	0.82	0.89	0.97	1.27	1.39	0.84	1.10
157	0.72	1.06	1.07	0.83	0.89	0.99	1.28	1.40	0.86	1.09
158	0.72	1.07	1.08	0.83	0.90	0.99	1.25	1.40	0.88	1.08
159	0.72	1.17	1.09	0.84	0.91	1.02	1.26	1.40	0.93	1.07
160	0.72	1.15	1.10	0.84	0.93	1.02	1.27	1.40	0.98	1.06
161	0.72	1.15	1.18	0.85	0.95	1.05	1.27	1.40	1.04	1.05
162	0.72	1.17	1.21	0.94	0.97	1.05	1.28	1.40	1.09	1.04
163	0.72	1.20	1.18	1.08	0.98	1.08	1.28	1.40	1.10	1.03
164	0.80	1.28	1.24	1.11	0.98	1.08	1.29	1.40	1.10	1.02
165	0.80	1.33	1.26	1.19	1.07	1.14	1.29	1.40	1.11	1.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

CANDELA TABULATION - (Cont.)

166	0.81	1.36	1.37	1.20	1.13	1.14	1.30	1.40	1.12	0.99
167	0.82	1.39	1.40	1.22	1.13	1.19	1.30	1.40	1.13	0.98
168	0.83	1.39	1.48	1.23	1.24	1.22	1.30	1.40	1.13	0.97
169	0.84	1.39	1.59	1.25	1.30	1.28	1.29	1.41	1.14	0.96
170	0.85	1.39	1.59	1.26	1.31	1.31	1.29	1.38	1.15	0.95
171	0.82	1.40	1.62	1.28	1.32	1.30	1.29	1.38	1.15	0.94
172	0.88	1.40	1.68	1.29	1.33	1.29	1.29	1.37	1.16	0.93
173	0.88	1.40	1.65	1.31	1.34	1.28	1.28	1.37	1.17	0.92
174	0.89	1.41	1.68	1.33	1.36	1.26	1.28	1.36	1.17	0.91
175	0.89	1.41	1.73	1.34	1.37	1.25	1.28	1.36	1.18	0.90
176	0.90	1.41	1.71	1.36	1.38	1.23	1.23	1.36	1.19	0.89
177	0.90	1.41	1.70	1.36	1.39	1.22	1.23	1.35	1.19	0.88
178	0.88	1.41	1.70	1.39	1.39	1.22	1.23	1.35	1.19	0.88
179	0.88	1.41	1.70	1.39	1.39	1.22	1.23	1.35	1.19	0.88
180	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88

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	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05	1233.05
1	1232.67	1233.29	1232.66	1232.71	1232.49	1232.71	1232.18
2	1232.50	1232.83	1231.97	1231.44	1231.45	1231.90	1231.44
3	1232.04	1232.05	1231.32	1230.44	1230.22	1230.84	1230.45
4	1231.10	1230.97	1229.63	1228.92	1228.36	1228.88	1228.78
5	1229.89	1229.55	1227.24	1226.63	1226.73	1227.18	1225.99
6	1227.82	1227.36	1224.74	1224.71	1224.26	1224.71	1224.13
7	1225.85	1225.34	1221.82	1221.53	1221.39	1221.83	1220.89
8	1223.79	1222.71	1218.77	1218.45	1218.36	1219.22	1217.98
9	1220.51	1219.50	1214.74	1215.25	1215.47	1215.52	1214.00
10	1217.48	1216.16	1210.68	1210.93	1211.49	1211.41	1209.86
11	1213.98	1212.30	1206.18	1205.83	1207.52	1207.23	1205.92
12	1210.02	1208.12	1201.19	1201.56	1203.00	1202.57	1200.96
13	1205.66	1203.03	1195.65	1196.27	1197.97	1197.41	1195.90
14	1201.25	1198.21	1190.16	1190.57	1192.86	1191.92	1190.09
15	1196.70	1193.33	1183.62	1184.57	1186.80	1185.82	1183.98
16	1190.94	1186.90	1176.92	1177.98	1180.96	1179.54	1177.36
17	1185.05	1180.87	1169.95	1171.10	1174.79	1172.96	1170.83
18	1179.33	1174.27	1162.90	1164.23	1168.10	1165.77	1163.75
19	1172.92	1167.28	1154.78	1156.27	1161.10	1158.42	1155.56
20	1165.88	1159.91	1146.70	1148.21	1153.70	1150.53	1147.73
21	1158.66	1151.93	1138.24	1139.90	1145.57	1142.17	1139.65
22	1151.61	1143.90	1129.00	1131.16	1137.42	1133.76	1131.02
23	1143.49	1135.18	1119.50	1122.04	1128.75	1124.26	1121.80
24	1135.09	1125.88	1109.73	1112.37	1119.80	1114.84	1112.19
25	1126.17	1116.61	1099.65	1102.53	1110.83	1105.27	1102.40
26	1117.33	1106.68	1089.41	1092.29	1100.66	1094.87	1092.12
27	1108.00	1096.88	1078.52	1081.18	1090.70	1084.39	1081.94
28	1097.63	1086.46	1067.25	1070.47	1080.32	1073.32	1070.83
29	1087.53	1075.32	1055.51	1059.14	1069.57	1061.95	1059.31
30	1076.82	1064.55	1043.75	1047.36	1058.06	1050.18	1047.81
31	1065.63	1052.46	1031.61	1035.02	1046.62	1037.89	1035.32
32	1054.35	1040.24	1019.15	1022.86	1034.60	1025.33	1023.18
33	1042.43	1028.09	1006.15	1009.94	1021.79	1012.62	1010.27
34	1030.26	1015.49	992.80	996.87	1009.59	999.51	997.31
35	1017.46	1002.11	979.23	983.66	996.23	985.98	983.65
36	1004.43	988.78	965.19	970.09	982.94	972.10	970.24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

CANDELA TABULATION - (Cont.)

37	991.03	975.08	950.80	955.43	968.52	957.92	956.35
38	977.21	960.99	936.39	941.69	954.80	943.52	941.61
39	963.04	946.46	921.63	926.80	940.13	928.47	926.69
40	948.35	931.83	906.64	911.89	925.20	913.22	911.70
41	933.41	917.00	890.92	896.52	909.92	897.74	896.28
42	917.98	901.33	875.17	880.70	894.38	881.84	880.60
43	902.27	885.54	858.90	865.02	878.49	865.98	864.87
44	886.35	869.08	842.68	848.48	862.35	849.48	848.34
45	869.54	852.91	825.90	831.94	845.32	833.11	832.04
46	852.92	836.03	808.72	815.10	828.43	815.76	815.06
47	835.53	818.79	791.47	797.95	810.76	798.46	797.68
48	817.76	801.38	773.83	780.75	793.45	780.62	780.13
49	800.22	783.77	756.34	763.01	775.58	762.63	762.17
50	781.94	765.96	738.09	744.84	756.94	744.66	744.12
51	763.48	747.11	719.87	726.21	738.47	726.19	726.05
52	744.69	728.65	701.23	707.91	719.77	707.47	707.29
53	725.40	710.23	682.76	688.88	700.46	688.53	688.41
54	706.09	690.76	663.25	669.89	681.10	669.31	669.36
55	686.08	671.25	644.41	650.43	661.61	650.32	650.21
56	666.28	651.56	624.27	630.88	641.53	630.33	630.70
57	645.94	631.45	605.03	611.00	621.16	610.55	610.89
58	625.20	611.51	585.17	591.40	601.07	590.45	591.10
59	604.86	591.17	564.95	570.65	580.26	570.31	570.95
60	583.77	570.69	544.89	550.57	559.58	549.42	550.68
61	562.63	550.06	524.47	529.90	538.60	529.26	530.61
62	541.31	529.09	503.84	509.04	517.50	508.45	509.77
63	520.08	507.66	482.85	488.15	496.17	487.44	489.14
64	498.48	486.52	462.12	466.77	474.79	466.51	468.39
65	476.79	465.31	441.04	445.75	453.51	445.62	447.40
66	455.08	443.70	420.11	424.06	431.93	424.59	426.21
67	433.38	422.01	399.26	402.94	410.26	403.55	405.53
68	411.34	400.33	377.77	381.61	388.83	382.42	384.51
69	389.71	378.76	356.62	359.92	367.20	361.32	363.48
70	367.77	357.12	335.20	338.56	345.58	340.35	342.47
71	346.02	335.06	314.60	317.26	324.19	319.44	321.64
72	324.48	313.77	293.65	296.09	302.58	298.63	301.03
73	302.75	292.01	272.69	274.60	281.33	277.79	280.46
74	281.43	271.12	252.09	253.90	260.52	257.70	260.16
75	260.14	249.82	231.66	233.55	239.65	237.52	240.20
76	239.21	229.01	211.61	213.20	219.27	217.56	220.05
77	218.29	208.49	191.81	193.34	199.21	198.01	200.56
78	198.12	188.71	172.65	173.56	179.38	178.54	181.24
79	178.32	168.80	153.94	154.16	160.09	159.75	162.17
80	159.11	149.91	135.80	136.18	141.10	140.99	143.47
81	140.54	131.29	118.58	118.46	122.97	123.08	125.49
82	121.95	113.37	101.35	101.47	105.35	105.70	108.06
83	104.04	96.28	85.38	84.68	88.57	88.81	91.11
84	86.79	79.89	70.17	69.36	72.05	72.65	74.65
85	70.39	64.02	55.47	54.37	56.31	56.55	58.57
86	54.55	48.90	41.98	40.33	41.20	41.05	42.76
87	38.98	34.73	28.70	26.73	27.15	26.41	27.79
88	24.67	21.05	16.49	14.19	13.93	12.91	13.36
89	11.62	7.11	2.83	1.54	1.56	1.84	2.13
90	9.34	0.14	2.29	0.25	0.23	0.34	1.86
91	7.06	0.15	1.75	0.22	0.22	0.32	1.59
92	4.78	0.15	1.20	0.20	0.19	0.27	1.31

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

CANDELA TABULATION - (Cont.)

93	2.50	0.15	0.66	0.17	0.16	0.29	1.04
94	0.22	0.16	0.12	0.17	0.17	0.29	0.77
95	0.25	0.16	0.09	0.17	0.17	0.29	0.98
96	0.22	0.17	0.09	0.16	0.17	0.29	1.11
97	0.22	0.17	0.09	0.16	0.18	0.29	1.22
98	0.25	0.20	0.09	0.16	0.18	0.29	1.30
99	0.28	0.20	0.09	0.16	0.18	0.29	1.35
100	0.30	0.23	0.09	0.16	0.19	0.29	1.38
101	0.36	0.24	0.09	0.16	0.19	0.31	1.51
102	0.36	0.26	0.09	0.16	0.19	0.33	1.59
103	0.39	0.28	0.09	0.15	0.20	0.35	1.57
104	0.44	0.30	0.09	0.15	0.20	0.38	1.51
105	0.47	0.31	0.09	0.15	0.20	0.40	1.46
106	0.49	0.34	0.09	0.15	0.21	0.37	1.43
107	0.55	0.40	0.09	0.15	0.21	0.45	1.38
108	0.58	0.43	0.09	0.15	0.21	0.58	1.30
109	0.61	0.48	0.09	0.15	0.22	0.64	1.27
110	0.63	0.48	0.09	0.14	0.19	0.64	1.22
111	0.69	0.57	0.09	0.14	0.22	0.64	1.20
112	0.69	0.57	0.09	0.14	0.25	0.64	1.12
113	0.72	0.58	0.09	0.20	0.25	0.64	1.09
114	0.74	0.59	0.09	0.23	0.30	0.64	1.04
115	0.75	0.59	0.09	0.23	0.31	0.64	0.93
116	0.75	0.60	0.09	0.31	0.32	0.64	0.85
117	0.76	0.60	0.11	0.28	0.33	0.64	0.77
118	0.76	0.61	0.17	0.31	0.34	0.66	0.69
119	0.77	0.62	0.20	0.37	0.35	0.67	0.53
120	0.77	0.62	0.29	0.37	0.36	0.67	0.50
121	0.82	0.63	0.29	0.37	0.37	0.68	0.49
122	0.85	0.63	0.30	0.37	0.37	0.68	0.48
123	0.88	0.64	0.31	0.37	0.38	0.68	0.47
124	0.91	0.65	0.32	0.37	0.39	0.69	0.46
125	0.96	0.65	0.32	0.37	0.40	0.74	0.46
126	0.96	0.68	0.33	0.37	0.41	0.79	0.47
127	0.94	0.71	0.34	0.37	0.44	0.82	0.47
128	0.99	0.74	0.35	0.38	0.44	0.84	0.47
129	0.96	0.77	0.32	0.38	0.44	0.86	0.47
130	0.99	0.77	0.32	0.38	0.45	0.87	0.47
131	0.99	0.78	0.33	0.38	0.45	0.89	0.47
132	1.02	0.79	0.33	0.38	0.46	0.91	0.48
133	1.02	0.81	0.33	0.38	0.46	0.93	0.48
134	1.03	0.82	0.33	0.39	0.47	0.94	0.48
135	1.03	0.84	0.34	0.39	0.47	0.95	0.48
136	1.04	0.86	0.34	0.39	0.48	0.96	0.48
137	1.05	0.87	0.34	0.39	0.49	0.97	0.48
138	1.07	0.89	0.35	0.39	0.49	0.98	0.49
139	1.13	0.91	0.35	0.40	0.54	0.98	0.49
140	1.15	0.92	0.35	0.41	0.63	0.98	0.49
141	1.15	0.94	0.36	0.41	0.63	0.99	0.49
142	1.21	0.96	0.36	0.42	0.68	0.99	0.49
143	1.29	0.98	0.36	0.42	0.69	1.00	0.49
144	1.35	0.99	0.37	0.43	0.71	1.00	0.50
145	1.40	0.99	0.37	0.44	0.72	1.01	0.50
146	1.41	1.02	0.37	0.44	0.74	1.01	0.50
147	1.41	1.08	0.38	0.45	0.75	1.02	0.50
148	1.41	1.05	0.39	0.45	0.76	1.03	0.50

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

CANDELA TABULATION - (Cont.)

149	1.42	1.13	0.40	0.48	0.79	1.03	0.50
150	1.42	1.14	0.41	0.54	0.79	1.04	0.53
151	1.43	1.22	0.42	0.62	0.79	1.04	0.56
152	1.43	1.22	0.42	0.65	0.79	1.05	0.64
153	1.46	1.23	0.43	0.68	0.79	1.05	0.66
154	1.51	1.23	0.46	0.70	0.79	1.08	0.69
155	1.53	1.24	0.46	0.72	0.79	1.11	0.66
156	1.54	1.24	0.52	0.74	0.82	1.14	0.69
157	1.55	1.25	0.49	0.77	0.82	1.17	0.72
158	1.57	1.30	0.49	0.79	0.84	1.19	0.72
159	1.58	1.33	0.55	0.81	0.87	1.17	0.72
160	1.60	1.36	0.66	0.84	0.93	1.17	0.72
161	1.61	1.42	0.72	0.86	1.01	1.17	0.72
162	1.62	1.45	0.78	0.88	1.04	1.17	0.72
163	1.63	1.50	0.75	0.91	1.09	1.17	0.72
164	1.64	1.50	0.84	1.02	1.17	1.17	0.80
165	1.64	1.53	0.87	1.11	1.17	1.18	0.80
166	1.65	1.59	0.92	1.25	1.20	1.18	0.81
167	1.66	1.60	0.95	1.30	1.25	1.18	0.82
168	1.66	1.61	1.04	1.30	1.33	1.18	0.83
169	1.67	1.62	1.10	1.30	1.34	1.18	0.84
170	1.68	1.63	1.15	1.30	1.36	1.18	0.85
171	1.62	1.64	1.27	1.29	1.36	1.18	0.82
172	1.59	1.65	1.27	1.29	1.39	1.19	0.88
173	1.57	1.66	1.26	1.29	1.42	1.19	0.88
174	1.54	1.67	1.26	1.29	1.39	1.19	0.89
175	1.51	1.68	1.25	1.28	1.39	1.19	0.89
176	1.48	1.69	1.25	1.28	1.39	1.19	0.90
177	1.46	1.70	1.24	1.28	1.39	1.19	0.90
178	1.46	1.70	1.24	1.28	1.39	1.19	0.88
179	1.46	1.73	1.24	1.28	1.39	1.19	0.88
180	0.88	0.88	0.88	0.88	0.88	0.88	0.88

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	452.54	N.A.	12.40
0-30	965.03	N.A.	26.50
0-40	1588.44	N.A.	43.70
0-60	2835.49	N.A.	78.00
0-80	3555.95	N.A.	97.80
0-90	3631.00	N.A.	99.90
10-90	3514.23	N.A.	96.70
20-40	1135.91	N.A.	31.20
20-50	1788.6	N.A.	49.20
40-70	1702.92	N.A.	46.80
60-80	720.46	N.A.	19.80
70-80	264.58	N.A.	7.30
80-90	75.05	N.A.	2.10
90-110	1.35	N.A.	0.00
90-120	1.92	N.A.	0.10
90-130	2.46	N.A.	0.10
90-150	3.57	N.A.	0.10
90-180	4.49	N.A.	0.10
110-180	3.13	N.A.	0.10
0-180	3635.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.77
10-20	335.77
20-30	512.49
30-40	623.41
40-50	652.69
50-60	594.35
60-70	455.88
70-80	264.58
80-90	75.05
90-100	0.86
100-110	0.49
110-120	0.56
120-130	0.54
130-140	0.57
140-150	0.54
150-160	0.46
160-170	0.33
170-180	0.12

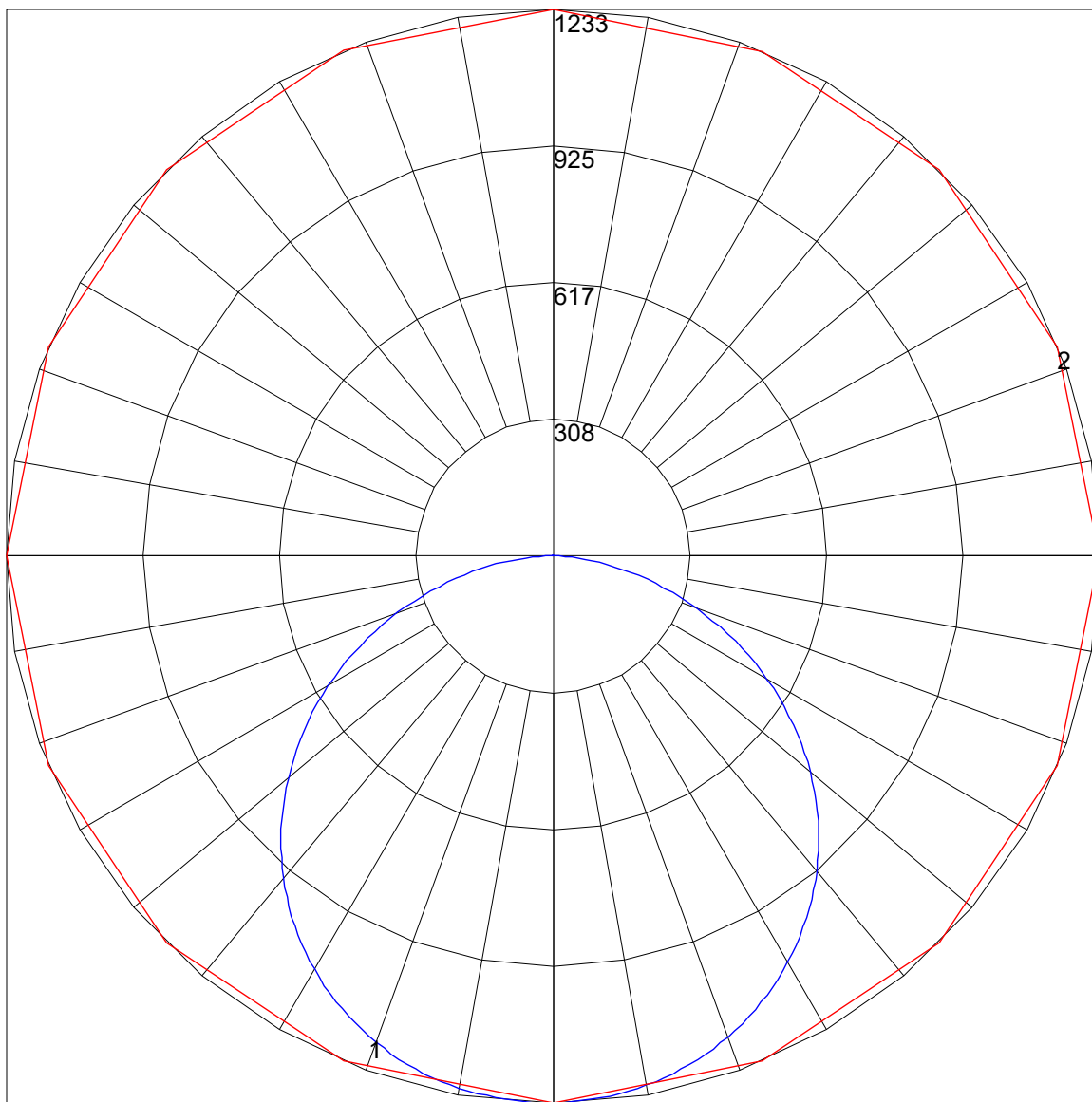
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 14 MD UV FR 835.IES

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	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	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	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	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1233.32 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.)