



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 22 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 11:09:46

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 22 MD UV FR 835

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	150.04	150.04	3.26	3.26
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[OTHER]	10- 20	430.16	580.20	12.60	12.60
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[OTHER]	20- 30	653.41	1233.60	26.78	26.78
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[OTHER]	30- 40	790.56	2024.17	43.94	43.94
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[OTHER]	40- 50	823.47	2847.64	61.82	61.82
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[OTHER]	50- 60	747.47	3595.12	78.05	78.05
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[OTHER]	60- 70	574.37	4169.48	90.52	90.52
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[OTHER]	70- 80	337.60	4507.09	97.85	97.85
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[OTHER]	80- 90	92.87	4599.96	99.86	99.86
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[OTHER]	90-100	1.23	4601.19	99.89	99.89
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[OTHER]	100-110	0.56	4601.74	99.90	99.90
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[OTHER]	110-120	0.84	4602.58	99.92	99.92
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[OTHER]	120-130	0.95	4603.53	99.94	99.94
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[OTHER]	130-140	0.94	4604.46	99.96	99.96
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[OTHER]	140-150	0.77	4605.23	99.98	99.98
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[OTHER]	150-160	0.57	4605.79	99.99	99.99
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[OTHER]	160-170	0.39	4606.18	100.00	100.00
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[OTHER]	170-180	0.14	4606.32	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	4606
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	36.2
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	4361	4391	4450
55	4191	4229	4308
65	3913	3962	4067
75	3451	3524	3671
85	2394	2482	2836

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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	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52
1	1584.89	1584.89	1585.44	1585.24	1585.44	1585.30	1585.62	1585.78	1585.38	1585.19
2	1583.84	1583.70	1584.23	1584.34	1584.46	1584.74	1584.61	1585.47	1585.03	1584.61
3	1582.28	1582.26	1582.61	1583.11	1583.48	1583.72	1583.93	1583.95	1583.79	1583.40
4	1580.12	1579.75	1580.82	1580.94	1581.32	1581.66	1582.17	1582.50	1582.39	1581.79
5	1577.13	1577.09	1578.10	1578.74	1578.94	1579.21	1579.80	1580.39	1580.46	1579.76
6	1573.50	1573.62	1574.91	1575.66	1576.13	1576.58	1576.92	1577.35	1577.16	1576.52
7	1569.83	1569.58	1571.32	1572.41	1572.78	1573.46	1573.93	1574.36	1574.07	1573.25
8	1565.15	1565.32	1567.13	1568.13	1568.64	1569.76	1570.03	1570.45	1570.64	1569.24
9	1559.97	1560.22	1562.05	1563.40	1564.01	1565.02	1565.81	1565.78	1565.80	1564.54
10	1554.46	1554.67	1556.54	1558.04	1559.34	1560.06	1560.91	1560.87	1561.07	1559.63
11	1548.50	1548.93	1550.93	1552.26	1553.96	1554.97	1555.10	1555.88	1555.60	1554.25
12	1541.88	1541.94	1544.35	1545.97	1547.58	1548.85	1549.59	1549.84	1549.25	1548.57
13	1534.75	1535.14	1537.37	1539.40	1541.09	1542.29	1542.89	1543.22	1542.87	1541.93
14	1526.77	1527.41	1529.40	1531.76	1533.71	1535.34	1535.63	1536.17	1535.75	1535.06
15	1518.53	1519.21	1521.19	1524.25	1526.38	1527.34	1528.14	1528.57	1528.17	1527.60
16	1509.93	1510.22	1513.01	1515.86	1518.33	1519.10	1520.00	1520.04	1520.14	1519.45
17	1500.64	1501.05	1503.61	1506.46	1509.33	1510.24	1511.63	1511.66	1511.25	1510.29
18	1490.70	1491.33	1493.88	1497.04	1500.44	1501.77	1502.62	1502.85	1502.27	1501.94
19	1480.41	1480.99	1484.29	1487.09	1490.30	1491.88	1493.09	1493.10	1492.92	1491.80
20	1469.83	1470.45	1473.30	1476.45	1480.46	1481.91	1482.74	1483.05	1483.13	1481.66
21	1458.37	1459.27	1461.85	1465.43	1469.56	1471.37	1472.47	1472.72	1472.00	1471.18
22	1446.87	1447.65	1450.30	1454.24	1458.62	1460.11	1460.94	1461.31	1460.91	1459.81
23	1434.41	1435.90	1438.37	1442.29	1446.94	1448.35	1449.65	1449.83	1449.58	1448.20
24	1421.90	1422.62	1425.82	1429.30	1434.84	1436.59	1437.69	1438.04	1437.78	1436.56
25	1408.58	1409.30	1413.11	1416.64	1422.01	1423.79	1425.05	1425.54	1425.06	1423.85
26	1394.87	1395.73	1399.23	1403.16	1408.86	1410.90	1411.99	1412.45	1412.11	1411.01
27	1380.68	1381.68	1385.58	1389.28	1395.34	1397.42	1398.81	1399.09	1398.76	1397.08
28	1365.57	1366.97	1370.50	1374.90	1381.41	1383.41	1384.59	1384.98	1384.65	1383.54
29	1350.52	1352.08	1356.05	1360.20	1366.83	1368.61	1370.50	1370.91	1370.20	1368.96
30	1335.36	1336.90	1340.48	1345.22	1351.90	1353.56	1355.41	1355.78	1355.34	1353.87
31	1319.24	1321.01	1324.63	1329.21	1336.19	1338.41	1340.28	1340.45	1339.62	1338.58
32	1302.98	1304.73	1308.53	1313.10	1320.02	1322.54	1324.10	1324.32	1323.86	1322.46
33	1285.91	1287.81	1291.87	1296.33	1303.47	1306.33	1308.24	1307.96	1307.24	1306.28
34	1268.45	1270.59	1274.64	1279.58	1286.66	1289.34	1290.90	1291.87	1290.34	1289.74
35	1250.82	1253.09	1257.52	1261.76	1269.50	1272.29	1273.98	1274.59	1273.28	1273.06
36	1232.86	1235.08	1239.67	1243.99	1251.91	1254.65	1256.32	1257.05	1255.92	1254.80
37	1214.31	1216.60	1221.09	1225.90	1233.85	1236.88	1238.65	1239.10	1238.17	1237.12
38	1195.82	1198.08	1202.32	1207.13	1214.91	1218.20	1220.38	1220.41	1219.64	1218.41
39	1176.24	1178.58	1183.18	1187.94	1196.23	1199.20	1201.17	1201.85	1200.94	1199.50
40	1156.74	1158.99	1163.49	1168.55	1177.11	1179.79	1182.25	1182.64	1181.84	1180.48
41	1136.43	1138.73	1143.59	1148.51	1157.46	1160.11	1162.39	1162.84	1162.02	1160.78
42	1116.31	1118.41	1123.46	1128.50	1137.04	1139.87	1142.30	1142.94	1142.07	1140.61
43	1095.29	1097.76	1102.36	1107.87	1116.62	1119.59	1122.09	1122.43	1121.29	1120.50
44	1074.35	1076.88	1081.71	1086.91	1095.44	1098.99	1101.26	1101.70	1100.78	1099.22
45	1052.79	1055.25	1060.04	1065.51	1074.13	1077.67	1079.91	1080.51	1079.60	1078.39
46	1031.19	1033.51	1038.14	1043.93	1052.31	1055.76	1058.38	1059.07	1058.20	1056.82
47	1008.58	1011.28	1016.10	1021.86	1030.82	1034.07	1036.38	1037.00	1036.01	1034.93
48	986.10	988.85	993.82	999.51	1008.63	1011.60	1014.32	1014.80	1014.46	1012.94
49	963.29	965.91	970.89	976.50	986.12	989.19	992.04	992.46	991.63	990.12
50	940.49	943.02	948.01	953.56	962.88	966.04	968.82	969.37	968.81	967.26
51	916.85	919.64	924.51	929.83	939.29	943.06	945.69	946.36	945.39	944.02
52	893.09	895.87	900.84	906.47	915.82	919.39	922.03	923.16	921.88	920.61
53	868.96	872.01	876.71	882.37	892.20	895.37	898.28	899.40	898.60	896.88

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CANDELA TABULATION - (Cont.)

54	844.78	847.51	852.34	857.93	867.90	871.33	874.39	875.22	874.24	872.82
55	820.57	823.12	828.03	833.97	843.48	846.70	849.82	850.70	849.89	848.30
56	795.73	798.53	803.17	808.84	818.70	822.08	824.98	826.32	825.19	823.97
57	770.62	773.41	778.14	783.71	793.72	796.84	800.21	801.33	800.24	798.63
58	745.60	748.38	753.20	758.88	768.37	771.77	774.86	776.22	775.30	773.60
59	720.02	722.83	727.49	733.04	743.41	746.33	749.54	750.93	750.26	748.13
60	694.52	697.16	701.77	707.40	717.28	720.89	724.23	725.45	724.61	722.85
61	668.56	671.67	676.07	681.71	691.56	695.20	698.05	699.48	698.81	697.03
62	642.87	645.67	650.05	655.76	665.70	669.14	672.48	673.93	673.36	671.24
63	616.70	619.50	623.98	629.28	639.61	643.20	646.45	647.70	647.16	645.39
64	590.87	593.24	597.66	603.46	613.41	616.99	620.35	621.77	620.95	619.03
65	564.47	566.86	571.58	576.98	586.79	590.88	594.21	595.75	594.76	592.92
66	538.07	540.49	544.81	550.56	560.37	564.52	567.53	569.41	568.51	566.37
67	511.68	514.30	518.88	524.40	534.53	538.10	541.53	543.15	542.02	540.16
68	485.60	488.38	492.24	497.81	507.83	511.90	514.99	516.69	516.07	513.65
69	459.14	462.00	465.82	471.57	482.04	485.51	488.85	490.65	489.73	487.33
70	433.19	435.51	439.64	445.22	455.71	459.01	462.37	464.18	463.48	461.28
71	407.33	409.98	413.98	419.41	429.28	432.96	436.19	437.90	437.20	434.42
72	380.98	383.61	387.90	393.25	403.43	407.21	410.25	412.14	411.24	408.75
73	355.28	358.07	361.67	367.41	377.57	381.04	384.48	385.78	385.02	382.29
74	330.05	332.81	336.78	341.83	351.23	355.51	358.38	360.15	359.52	357.08
75	304.90	307.73	311.32	316.06	324.37	329.40	332.93	334.45	333.46	330.99
76	279.56	282.39	286.74	289.83	298.17	303.42	307.56	309.27	308.18	306.02
77	255.04	257.75	261.97	264.35	271.94	277.13	282.58	284.07	282.73	280.52
78	230.25	233.28	237.53	238.92	246.36	251.76	257.93	259.42	258.02	256.30
79	206.05	208.89	212.80	214.28	221.87	226.74	233.37	235.23	233.66	231.46
80	181.99	185.21	188.35	189.85	197.89	202.41	208.76	210.86	209.69	207.97
81	159.08	162.22	164.25	166.38	174.59	178.81	184.54	187.31	186.17	183.85
82	136.51	139.50	140.49	143.44	151.34	155.19	160.61	163.89	162.53	160.64
83	114.42	117.57	117.85	121.02	128.15	132.20	136.93	140.85	139.39	137.31
84	92.94	95.26	95.82	99.43	106.02	109.56	113.74	118.37	116.56	114.98
85	71.22	73.26	73.86	77.46	84.38	87.83	91.38	95.54	94.85	92.53
86	50.81	51.66	52.75	56.40	63.65	66.79	69.62	73.38	73.79	70.56
87	31.45	31.59	32.89	36.42	42.97	45.96	48.61	51.86	52.77	49.45
88	13.25	13.38	14.75	17.69	24.14	26.63	28.96	31.80	33.15	29.84
89	1.38	1.77	2.07	3.12	6.83	9.29	11.43	13.58	14.62	11.91
90	0.38	0.38	0.44	0.44	0.38	0.35	9.21	10.94	11.77	1.29
91	0.35	0.32	0.32	0.35	0.40	0.35	7.00	8.30	8.92	1.10
92	0.32	0.32	0.32	0.32	0.35	0.36	4.78	5.66	6.07	0.92
93	0.30	0.30	0.27	0.32	0.38	0.37	2.57	4.79	3.22	0.74
94	0.30	0.30	0.30	0.32	0.38	0.37	0.35	3.91	0.38	0.56
95	0.30	0.30	0.30	0.31	0.40	0.38	0.35	3.04	0.35	0.38
96	0.30	0.30	0.31	0.31	0.40	0.38	0.38	2.17	0.40	0.38
97	0.30	0.30	0.31	0.31	0.43	0.40	0.38	1.30	0.43	0.40
98	0.30	0.30	0.32	0.31	0.48	0.43	0.43	0.43	0.46	0.46
99	0.30	0.30	0.32	0.32	0.48	0.48	0.46	0.43	0.46	0.48
100	0.30	0.30	0.33	0.32	0.54	0.54	0.48	0.48	0.48	0.51
101	0.30	0.30	0.33	0.33	0.57	0.56	0.48	0.51	0.51	0.54
102	0.30	0.30	0.33	0.34	0.62	0.62	0.54	0.48	0.56	0.57
103	0.30	0.30	0.34	0.34	0.64	0.67	0.54	0.51	0.57	0.62
104	0.30	0.30	0.34	0.35	0.73	0.70	0.59	0.56	0.65	0.67
105	0.31	0.30	0.35	0.35	0.78	0.73	0.62	0.65	0.70	0.67
106	0.32	0.31	0.43	0.36	0.75	0.78	0.73	0.67	0.75	0.73
107	0.33	0.33	0.46	0.36	0.83	0.81	0.75	0.73	0.78	0.78
108	0.33	0.35	0.48	0.37	0.89	0.89	0.78	0.78	0.83	0.81
109	0.34	0.37	0.51	0.38	0.91	0.92	0.81	0.75	0.86	0.83

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CANDELA TABULATION - (Cont.)

110	0.35	0.38	0.59	0.46	0.94	0.99	0.89	0.81	0.89	0.84
111	0.38	0.40	0.67	0.46	1.02	1.02	0.94	0.82	0.89	0.85
112	0.38	0.43	0.70	0.59	1.07	1.08	1.00	0.82	0.91	0.86
113	0.40	0.44	0.71	0.70	1.10	1.10	1.02	0.83	0.94	0.86
114	0.48	0.45	0.72	0.73	1.13	1.13	1.03	0.84	0.97	0.87
115	0.48	0.46	0.73	0.75	1.18	1.18	1.04	0.85	0.99	0.88
116	0.56	0.48	0.74	0.73	1.21	1.26	1.06	0.86	1.02	0.89
117	0.59	0.49	0.74	0.73	1.29	1.28	1.07	0.87	1.05	0.90
118	0.62	0.50	0.75	0.75	1.29	1.31	1.08	0.88	1.07	0.90
119	0.75	0.51	0.78	0.78	1.34	1.33	1.09	0.89	1.10	0.91
120	0.76	0.56	0.81	0.81	1.34	1.35	1.09	0.90	1.13	0.92
121	0.77	0.67	0.83	0.81	1.37	1.37	1.09	0.90	1.16	0.93
122	0.78	0.75	0.86	0.83	1.40	1.42	1.09	0.91	1.18	0.93
123	0.79	0.76	0.89	0.86	1.40	1.42	1.09	0.92	1.15	0.94
124	0.81	0.77	0.91	0.86	1.45	1.45	1.09	0.99	1.18	1.02
125	0.78	0.78	0.92	0.91	1.45	1.50	1.09	1.08	1.21	1.10
126	0.78	0.79	0.92	0.97	1.53	1.53	1.09	1.09	1.24	1.24
127	0.86	0.80	0.93	1.05	1.56	1.59	1.09	1.10	1.32	1.35
128	0.83	0.81	0.93	1.06	1.56	1.61	1.09	1.11	1.45	1.42
129	0.89	0.82	0.93	1.07	1.56	1.61	1.09	1.12	1.46	1.43
130	0.94	0.84	0.93	1.08	1.57	1.61	1.09	1.14	1.47	1.43
131	1.02	0.85	0.92	1.10	1.57	1.62	1.09	1.15	1.48	1.44
132	1.05	0.87	0.92	1.12	1.57	1.62	1.09	1.16	1.48	1.44
133	1.05	0.89	0.91	1.14	1.57	1.62	1.10	1.17	1.49	1.45
134	1.07	1.02	0.91	1.16	1.58	1.62	1.10	1.18	1.50	1.45
135	1.10	1.10	0.91	1.18	1.58	1.62	1.10	1.19	1.51	1.46
136	1.13	1.10	0.90	1.18	1.58	1.62	1.10	1.20	1.52	1.46
137	1.18	1.13	0.90	1.18	1.58	1.62	1.10	1.22	1.53	1.47
138	1.18	1.16	0.89	1.18	1.58	1.62	1.10	1.23	1.53	1.47
139	1.18	1.16	0.89	1.18	1.59	1.62	1.10	1.24	1.54	1.48
140	1.18	1.16	0.86	1.18	1.59	1.62	1.10	1.25	1.55	1.48
141	1.18	1.16	0.86	1.18	1.59	1.62	1.10	1.26	1.56	1.49
142	1.18	1.16	0.81	1.18	1.59	1.62	1.10	1.27	1.57	1.49
143	1.18	1.16	0.81	1.17	1.60	1.63	1.10	1.28	1.57	1.50
144	1.18	1.16	0.80	1.17	1.60	1.63	1.10	1.30	1.57	1.50
145	1.18	1.16	0.80	1.16	1.60	1.63	1.10	1.31	1.57	1.51
146	1.19	1.16	0.79	1.16	1.60	1.63	1.10	1.32	1.57	1.51
147	1.21	1.16	0.79	1.15	1.61	1.63	1.10	1.33	1.58	1.52
148	1.22	1.16	0.78	1.15	1.61	1.63	1.10	1.34	1.58	1.52
149	1.23	1.16	0.78	1.14	1.61	1.63	1.10	1.33	1.58	1.53
150	1.25	1.16	0.75	1.13	1.64	1.63	1.10	1.32	1.58	1.53
151	1.26	1.16	0.73	1.14	1.64	1.63	1.11	1.30	1.58	1.53
152	1.27	1.16	0.73	1.14	1.69	1.63	1.11	1.29	1.59	1.56
153	1.29	1.16	0.70	1.14	1.72	1.63	1.12	1.29	1.59	1.53
154	1.30	1.16	0.70	1.14	1.77	1.63	1.12	1.28	1.59	1.54
155	1.31	1.16	0.71	1.14	1.77	1.64	1.13	1.28	1.59	1.55
156	1.33	1.16	0.71	1.15	1.85	1.64	1.18	1.28	1.59	1.56
157	1.34	1.16	0.72	1.15	1.83	1.64	1.26	1.28	1.60	1.57
158	1.35	1.16	0.72	1.15	1.85	1.64	1.32	1.27	1.60	1.58
159	1.37	1.16	0.73	1.15	1.85	1.64	1.37	1.27	1.60	1.59
160	1.38	1.16	0.73	1.15	1.88	1.67	1.45	1.27	1.60	1.59
161	1.39	1.16	0.74	1.15	1.91	1.77	1.48	1.26	1.60	1.60
162	1.41	1.20	0.74	1.16	1.93	1.88	1.51	1.26	1.61	1.61
163	1.42	1.24	0.75	1.24	1.96	1.88	1.51	1.26	1.61	1.62
164	1.43	1.28	0.75	1.37	1.96	1.88	1.52	1.26	1.61	1.63
165	1.45	1.33	0.77	1.48	1.97	1.88	1.52	1.25	1.61	1.64

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CANDELA TABULATION - (Cont.)

166	1.53	1.37	0.80	1.56	1.97	1.88	1.53	1.25	1.61	1.65
167	1.58	1.42	0.82	1.56	1.98	1.88	1.54	1.25	1.61	1.65
168	1.58	1.50	0.84	1.57	1.98	1.88	1.54	1.25	1.61	1.66
169	1.61	1.50	0.86	1.57	1.99	1.88	1.55	1.24	1.61	1.67
170	1.66	1.56	0.91	1.58	2.01	1.88	1.55	1.24	1.61	1.67
171	1.64	1.58	0.92	1.58	1.93	1.88	1.56	1.24	1.61	1.68
172	1.66	1.58	0.93	1.59	1.92	1.83	1.57	1.24	1.61	1.69
173	1.68	1.58	0.95	1.59	1.91	1.80	1.57	1.24	1.61	1.69
174	1.70	1.57	0.96	1.60	1.91	1.75	1.58	1.26	1.61	1.70
175	1.71	1.57	0.97	1.60	1.90	1.72	1.59	1.24	1.61	1.71
176	1.73	1.56	1.02	1.61	1.89	1.69	1.56	1.21	1.61	1.71
177	1.74	1.56	1.05	1.61	1.88	1.69	1.53	1.21	1.61	1.72
178	1.72	1.56	1.08	1.61	1.88	1.69	1.50	1.21	1.61	1.72
179	1.72	1.56	1.05	1.61	1.88	1.69	1.48	1.21	1.61	1.72
180	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72

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	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52	1585.52
1	1585.73	1585.18	1585.06	1584.69	1585.11	1585.04	1584.89
2	1584.96	1584.57	1584.27	1584.04	1583.97	1583.52	1583.84
3	1584.11	1583.45	1582.88	1582.52	1582.30	1581.77	1582.28
4	1582.32	1581.41	1581.15	1580.24	1579.78	1579.73	1580.12
5	1579.85	1578.69	1578.44	1577.60	1577.31	1576.93	1577.13
6	1576.52	1575.78	1575.59	1574.59	1574.19	1574.29	1573.50
7	1573.64	1572.67	1571.38	1570.75	1570.49	1569.69	1569.83
8	1569.47	1568.72	1567.39	1566.39	1565.85	1565.37	1565.15
9	1564.42	1563.82	1562.94	1561.37	1561.01	1560.44	1559.97
10	1560.23	1558.97	1557.77	1556.10	1555.64	1554.78	1554.46
11	1554.05	1553.41	1551.93	1550.28	1549.61	1548.31	1548.50
12	1548.24	1546.76	1545.80	1543.75	1542.51	1541.82	1541.88
13	1541.65	1540.35	1539.00	1536.73	1535.63	1534.71	1534.75
14	1534.42	1533.25	1531.32	1529.33	1527.80	1526.69	1526.77
15	1526.80	1525.39	1523.72	1521.38	1519.40	1518.53	1518.53
16	1518.60	1517.21	1515.51	1512.98	1511.17	1510.01	1509.93
17	1510.02	1508.54	1506.36	1503.82	1501.68	1500.67	1500.64
18	1500.76	1499.40	1496.72	1493.95	1491.87	1490.69	1490.70
19	1491.30	1489.66	1486.89	1483.88	1481.79	1480.54	1480.41
20	1480.79	1479.25	1476.57	1473.32	1471.30	1469.86	1469.83
21	1470.13	1468.31	1465.04	1461.88	1460.16	1458.30	1458.37
22	1458.91	1457.44	1453.99	1450.72	1448.34	1446.78	1446.87
23	1447.18	1445.51	1441.84	1438.26	1436.03	1434.70	1434.41
24	1435.01	1433.16	1429.56	1425.67	1423.35	1421.57	1421.90
25	1422.44	1420.20	1416.69	1412.82	1410.21	1408.51	1408.58
26	1409.32	1407.31	1402.87	1399.01	1396.38	1394.78	1394.87
27	1395.97	1394.20	1389.71	1385.26	1382.31	1380.57	1380.68
28	1381.82	1379.24	1374.65	1370.35	1367.88	1366.13	1365.57
29	1367.31	1364.80	1359.68	1355.39	1352.34	1350.80	1350.52
30	1352.41	1350.10	1344.55	1340.11	1337.07	1335.45	1335.36
31	1336.74	1334.58	1328.42	1324.36	1321.25	1319.31	1319.24
32	1321.05	1318.41	1312.53	1308.28	1305.06	1303.33	1302.98
33	1304.50	1302.45	1295.99	1291.41	1287.92	1286.27	1285.91
34	1288.14	1285.13	1278.81	1274.30	1270.87	1269.16	1268.45
35	1270.61	1268.22	1261.72	1256.79	1253.66	1251.41	1250.82
36	1252.84	1250.32	1244.10	1238.80	1235.51	1233.28	1232.86

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CANDELA TABULATION - (Cont.)

37	1234.86	1232.13	1225.54	1220.47	1217.01	1214.95	1214.31
38	1216.14	1213.17	1206.96	1201.60	1198.17	1195.94	1195.82
39	1197.66	1194.85	1188.21	1182.51	1179.17	1176.91	1176.24
40	1178.41	1175.14	1168.31	1162.95	1159.42	1157.11	1156.74
41	1158.45	1155.49	1148.63	1142.88	1139.06	1136.89	1136.43
42	1138.35	1134.89	1128.58	1122.49	1118.98	1116.94	1116.31
43	1117.66	1114.65	1107.99	1102.03	1098.41	1095.81	1095.29
44	1097.12	1093.78	1087.31	1080.81	1077.10	1074.71	1074.35
45	1075.67	1072.21	1065.58	1059.80	1055.63	1053.29	1052.79
46	1054.04	1051.06	1043.93	1038.14	1034.03	1031.75	1031.19
47	1032.44	1028.63	1021.91	1015.75	1011.64	1009.22	1008.58
48	1010.19	1006.28	999.47	993.23	989.57	986.75	986.10
49	987.62	983.88	977.00	970.71	966.59	963.89	963.29
50	964.40	960.95	953.76	947.32	943.40	940.84	940.49
51	941.35	937.43	930.52	924.30	920.01	917.44	916.85
52	917.67	913.90	907.04	900.58	896.31	893.56	893.09
53	893.76	890.21	883.02	876.74	872.16	869.53	868.96
54	869.86	866.00	858.85	852.01	847.85	845.50	844.78
55	845.23	841.93	834.34	828.03	823.30	820.58	820.57
56	821.02	816.85	809.80	802.94	798.78	796.01	795.73
57	795.64	791.82	784.91	778.25	773.49	770.70	770.62
58	770.56	766.26	759.94	753.23	748.28	745.60	745.60
59	745.18	741.31	734.48	727.39	722.74	720.34	720.02
60	719.46	715.33	708.78	702.04	697.03	694.38	694.52
61	693.54	689.76	683.10	676.10	671.64	668.85	668.56
62	667.95	663.52	657.01	650.36	645.69	642.93	642.87
63	641.61	637.75	631.09	624.00	619.41	616.78	616.70
64	615.43	611.24	604.64	597.83	593.21	590.72	590.87
65	589.39	585.18	578.31	571.86	567.11	564.63	564.47
66	562.80	558.52	551.82	544.99	540.43	538.02	538.07
67	536.40	532.23	525.63	518.85	514.35	511.92	511.68
68	509.78	505.58	498.99	492.32	488.00	485.66	485.60
69	483.58	479.14	472.58	466.06	461.49	459.08	459.14
70	456.72	452.44	446.05	439.51	435.24	433.05	433.19
71	430.54	426.03	419.75	413.53	408.77	406.83	407.33
72	404.35	400.07	393.65	387.27	383.08	380.93	380.98
73	378.21	373.83	367.05	361.35	357.13	355.04	355.28
74	352.31	347.72	340.91	335.77	331.76	330.15	330.05
75	326.64	322.01	313.94	309.67	306.35	304.49	304.90
76	301.35	295.82	287.58	283.08	281.49	279.74	279.56
77	276.22	269.34	262.17	257.26	257.07	255.01	255.04
78	251.42	243.85	236.38	232.04	232.38	230.35	230.25
79	227.09	218.69	211.69	207.23	207.63	206.15	206.05
80	202.15	194.35	187.09	183.04	182.96	182.44	181.99
81	178.35	170.58	163.51	159.39	159.11	159.37	159.08
82	154.46	147.13	140.50	136.62	135.48	136.59	136.51
83	130.84	124.23	118.51	114.46	112.79	114.58	114.42
84	108.10	102.23	96.88	92.96	90.99	92.39	92.94
85	85.70	81.03	75.29	71.23	69.39	70.44	71.22
86	64.61	60.25	54.86	50.58	48.37	49.25	50.81
87	43.83	39.76	35.31	31.31	28.93	29.45	31.45
88	24.96	21.33	16.93	13.20	11.50	11.82	13.25
89	8.62	18.72	1.92	1.21	0.98	1.20	1.38
90	0.43	16.10	0.43	0.38	0.42	0.41	0.38
91	0.42	13.49	0.38	0.35	0.35	0.35	0.35
92	0.41	10.88	0.32	0.32	0.32	0.27	0.32

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CANDELA TABULATION - (Cont.)

93	0.40	8.27	0.32	0.32	0.32	0.27	0.30
94	0.39	5.65	0.33	0.31	0.32	0.24	0.30
95	0.38	3.04	0.33	0.31	0.32	0.24	0.30
96	0.38	0.43	0.33	0.30	0.32	0.25	0.30
97	0.43	0.40	0.34	0.30	0.32	0.25	0.30
98	0.46	0.46	0.34	0.30	0.32	0.26	0.30
99	0.46	0.48	0.34	0.30	0.32	0.26	0.30
100	0.51	0.51	0.35	0.30	0.32	0.28	0.30
101	0.56	0.57	0.35	0.30	0.33	0.29	0.30
102	0.54	0.62	0.35	0.30	0.33	0.31	0.30
103	0.62	0.65	0.36	0.30	0.34	0.32	0.30
104	0.67	0.70	0.36	0.30	0.34	0.33	0.30
105	0.67	0.73	0.36	0.30	0.35	0.35	0.31
106	0.73	0.75	0.37	0.30	0.43	0.36	0.32
107	0.78	0.83	0.37	0.30	0.40	0.37	0.33
108	0.86	0.89	0.37	0.35	0.48	0.38	0.33
109	0.89	0.94	0.38	0.40	0.51	0.39	0.34
110	0.97	1.00	0.40	0.46	0.51	0.40	0.35
111	1.00	1.05	0.45	0.56	0.62	0.43	0.38
112	1.08	1.10	0.46	0.70	0.67	0.47	0.38
113	1.10	1.18	0.53	0.75	0.67	0.50	0.40
114	1.18	1.21	0.64	0.75	0.72	0.53	0.48
115	1.16	1.24	0.70	0.75	0.78	0.56	0.48
116	1.16	1.29	0.72	0.75	0.83	0.64	0.56
117	1.15	1.30	0.72	0.75	0.81	0.62	0.59
118	1.15	1.31	0.72	0.75	0.82	0.64	0.62
119	1.15	1.33	0.72	0.77	0.83	0.67	0.75
120	1.15	1.34	0.72	0.78	0.84	0.67	0.76
121	1.15	1.35	0.72	0.80	0.86	0.78	0.77
122	1.15	1.35	0.72	0.82	0.88	0.78	0.78
123	1.14	1.35	0.72	0.83	0.90	0.86	0.79
124	1.14	1.35	0.75	0.81	0.92	0.91	0.81
125	1.14	1.35	0.80	0.81	0.92	1.13	0.78
126	1.14	1.35	0.83	0.83	0.92	1.13	0.78
127	1.14	1.35	0.86	0.86	0.92	1.15	0.86
128	1.13	1.35	0.86	0.89	0.92	1.16	0.83
129	1.13	1.35	0.99	0.94	0.92	1.17	0.89
130	1.13	1.35	1.02	0.96	0.92	1.18	0.94
131	1.13	1.35	1.05	0.98	0.92	1.19	1.02
132	1.13	1.35	1.07	1.00	0.92	1.19	1.05
133	1.10	1.35	1.09	1.02	0.92	1.19	1.05
134	1.10	1.35	1.11	1.04	0.91	1.19	1.07
135	1.10	1.35	1.13	1.05	0.91	1.19	1.10
136	1.10	1.35	1.16	1.06	0.89	1.19	1.13
137	1.10	1.35	1.21	1.08	0.89	1.18	1.18
138	1.09	1.35	1.20	1.09	0.83	1.18	1.18
139	1.09	1.35	1.20	1.10	0.81	1.18	1.18
140	1.09	1.35	1.19	1.13	0.78	1.18	1.18
141	1.09	1.35	1.18	1.11	0.78	1.18	1.18
142	1.09	1.35	1.18	1.09	0.75	1.18	1.18
143	1.09	1.35	1.17	1.06	0.75	1.18	1.18
144	1.08	1.35	1.17	1.04	0.73	1.18	1.18
145	1.08	1.34	1.16	1.02	0.67	1.18	1.18
146	1.08	1.34	1.15	1.02	0.65	1.18	1.19
147	1.08	1.34	1.05	1.02	0.65	1.18	1.21
148	1.09	1.34	1.02	1.03	0.59	1.18	1.22

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CANDELA TABULATION - (Cont.)

149	1.09	1.34	0.99	1.03	0.59	1.18	1.23
150	1.10	1.34	0.97	1.03	0.60	1.13	1.25
151	1.10	1.34	0.97	1.03	0.61	1.13	1.26
152	1.13	1.29	0.97	1.03	0.62	1.15	1.27
153	1.19	1.26	0.98	1.03	0.62	1.13	1.29
154	1.24	1.21	0.98	1.04	0.63	1.12	1.30
155	1.24	1.18	0.98	1.04	0.64	1.11	1.31
156	1.29	1.18	0.99	1.04	0.65	1.10	1.33
157	1.30	1.10	0.99	1.04	0.66	1.09	1.34
158	1.31	1.10	0.99	1.04	0.66	1.12	1.35
159	1.32	1.10	1.02	1.04	0.67	1.15	1.37
160	1.33	1.09	0.99	1.04	0.68	1.18	1.38
161	1.34	1.09	1.07	1.05	0.69	1.20	1.39
162	1.35	1.09	1.13	1.05	0.70	1.23	1.41
163	1.36	1.09	1.28	1.13	0.75	1.26	1.42
164	1.37	1.08	1.45	1.23	0.75	1.29	1.43
165	1.48	1.08	1.55	1.29	0.78	1.31	1.45
166	1.49	1.08	1.64	1.37	0.78	1.42	1.53
167	1.50	1.08	1.64	1.34	0.81	1.45	1.58
168	1.51	1.07	1.65	1.35	0.83	1.48	1.58
169	1.52	1.07	1.66	1.36	0.87	1.50	1.61
170	1.52	1.07	1.67	1.37	0.91	1.53	1.66
171	1.53	1.06	1.68	1.38	0.95	1.55	1.64
172	1.54	1.06	1.68	1.38	0.98	1.56	1.66
173	1.55	1.06	1.68	1.39	1.02	1.58	1.68
174	1.56	1.06	1.68	1.40	1.02	1.59	1.70
175	1.57	1.05	1.69	1.41	1.07	1.61	1.71
176	1.58	1.05	1.69	1.42	1.16	1.62	1.73
177	1.59	1.05	1.69	1.42	1.21	1.64	1.74
178	1.59	1.05	1.69	1.48	1.24	1.61	1.72
179	1.56	1.05	1.69	1.45	1.26	1.61	1.72
180	1.72	1.72	1.72	1.72	1.72	1.72	1.72

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	580.20	N.A.	12.60
0-30	1233.6	N.A.	26.80
0-40	2024.17	N.A.	43.90
0-60	3595.11	N.A.	78.00
0-80	4507.09	N.A.	97.80
0-90	4599.96	N.A.	99.90
10-90	4449.92	N.A.	96.60
20-40	1443.97	N.A.	31.30
20-50	2267.45	N.A.	49.20
40-70	2145.31	N.A.	46.60
60-80	911.97	N.A.	19.80
70-80	337.60	N.A.	7.30
80-90	92.87	N.A.	2.00
90-110	1.78	N.A.	0.00
90-120	2.62	N.A.	0.10
90-130	3.57	N.A.	0.10
90-150	5.27	N.A.	0.10
90-180	6.37	N.A.	0.10
110-180	4.58	N.A.	0.10
0-180	4606.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.04
10-20	430.16
20-30	653.41
30-40	790.56
40-50	823.47
50-60	747.47
60-70	574.37
70-80	337.60
80-90	92.87
90-100	1.23
100-110	0.56
110-120	0.84
120-130	0.95
130-140	0.94
140-150	0.77
150-160	0.57
160-170	0.39
170-180	0.14

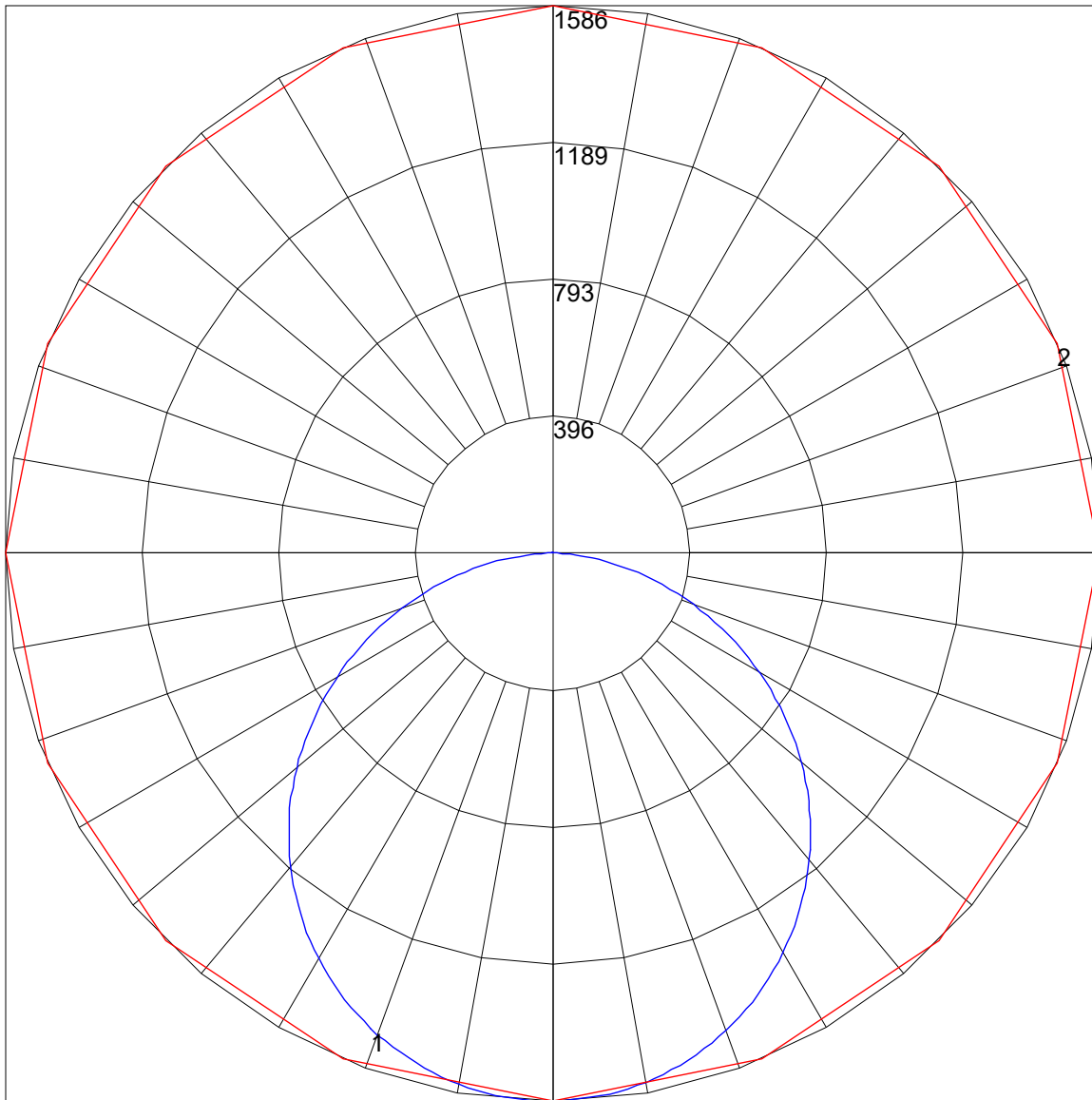
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 22 MD UV FR 835.IES

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	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	25	24

POLAR GRAPH



Maximum Candela = 1585.78 Located At Horizontal Angle = 157.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)