



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 MD 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 15:07:47

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 MD UV FR 840

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	162.63	162.63	3.19	3.19
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[OTHER]	10- 20	467.72	630.35	12.38	12.38
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[OTHER]	20- 30	713.80	1344.15	26.40	26.40
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[OTHER]	30- 40	867.56	2211.71	43.45	43.45
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[OTHER]	40- 50	907.50	3119.21	61.27	61.27
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[OTHER]	50- 60	827.35	3946.56	77.53	77.53
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[OTHER]	60- 70	641.11	4587.66	90.12	90.12
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[OTHER]	70- 80	384.78	4972.44	97.68	97.68
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[OTHER]	80- 90	113.91	5086.36	99.92	99.92
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[OTHER]	90-100	1.40	5087.76	99.94	99.94
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[OTHER]	100-110	0.68	5088.44	99.96	99.96
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[OTHER]	110-120	0.65	5089.09	99.97	99.97
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[OTHER]	120-130	0.43	5089.52	99.98	99.98
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[OTHER]	130-140	0.34	5089.86	99.99	99.99
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[OTHER]	140-150	0.28	5090.15	99.99	99.99
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[OTHER]	150-160	0.24	5090.39	100.00	100.00
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[OTHER]	160-170	0.17	5090.56	100.00	100.00
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[OTHER]	170-180	0.06	5090.62	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	5091
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	39.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
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)	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	2359	2387	2380
55	2270	2308	2313
65	2140	2191	2207
75	1920	1991	2047
85	1444	1544	1697

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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	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34
1	1716.76	1716.77	1717.03	1716.26	1717.25	1717.03	1718.22	1716.76	1717.90	1717.04
2	1715.88	1715.86	1715.83	1715.16	1717.22	1717.02	1717.60	1716.72	1717.03	1716.72
3	1714.43	1714.68	1714.29	1713.42	1716.35	1716.08	1717.00	1715.52	1716.12	1715.81
4	1711.79	1711.41	1711.85	1710.97	1714.29	1714.82	1715.77	1713.50	1714.38	1714.33
5	1708.60	1708.69	1709.37	1708.30	1712.26	1712.92	1713.94	1712.85	1712.88	1712.51
6	1706.56	1706.64	1705.94	1704.96	1709.45	1711.30	1711.50	1709.87	1710.21	1710.07
7	1702.18	1702.43	1702.86	1701.25	1706.34	1708.21	1709.06	1706.73	1706.71	1706.87
8	1698.34	1698.60	1697.99	1696.51	1702.38	1704.63	1705.69	1703.73	1703.44	1703.82
9	1693.65	1693.22	1693.29	1691.18	1698.41	1701.04	1701.22	1698.77	1699.68	1699.98
10	1688.49	1688.74	1688.40	1685.45	1692.58	1697.45	1697.48	1695.41	1694.48	1694.53
11	1682.84	1682.33	1682.84	1679.23	1686.65	1691.93	1692.64	1689.31	1690.25	1689.53
12	1676.49	1676.51	1676.81	1672.65	1680.79	1686.24	1686.66	1683.86	1684.17	1683.47
13	1669.13	1669.75	1670.04	1664.90	1673.99	1679.18	1680.80	1676.93	1678.12	1677.90
14	1661.79	1661.63	1663.04	1657.30	1666.39	1672.30	1674.93	1670.68	1671.35	1671.31
15	1654.54	1654.32	1654.64	1648.67	1658.51	1665.00	1667.84	1663.00	1664.28	1664.13
16	1645.71	1645.09	1646.70	1639.84	1650.00	1656.49	1660.25	1655.32	1656.94	1656.93
17	1635.92	1636.57	1637.89	1630.03	1641.22	1648.33	1650.98	1646.77	1648.79	1648.51
18	1626.16	1626.84	1628.55	1620.11	1631.31	1638.94	1641.70	1637.91	1638.86	1640.43
19	1616.44	1616.32	1618.81	1608.90	1621.13	1628.75	1632.45	1628.01	1629.59	1631.50
20	1606.11	1605.82	1608.05	1598.09	1610.18	1618.75	1624.49	1619.29	1620.11	1621.37
21	1594.77	1594.76	1597.25	1586.43	1599.12	1608.06	1614.82	1608.18	1609.52	1611.25
22	1582.74	1582.95	1586.27	1574.25	1586.97	1596.40	1603.24	1597.07	1602.38	1601.09
23	1570.96	1570.56	1574.21	1560.96	1574.57	1584.75	1590.87	1585.96	1589.37	1589.94
24	1557.64	1557.89	1562.84	1547.85	1561.52	1572.01	1579.23	1574.80	1576.35	1577.84
25	1543.82	1544.66	1548.36	1534.16	1548.38	1559.49	1566.33	1561.86	1563.34	1564.62
26	1529.58	1530.43	1534.30	1520.18	1534.41	1545.39	1552.81	1548.47	1550.11	1552.09
27	1515.30	1516.50	1521.05	1504.94	1519.98	1531.49	1538.84	1534.68	1536.00	1538.60
28	1499.91	1501.43	1505.80	1490.12	1505.10	1517.67	1524.24	1520.40	1521.60	1523.99
29	1484.35	1486.67	1490.91	1474.03	1489.65	1502.02	1509.37	1505.14	1507.10	1509.22
30	1468.52	1469.95	1475.23	1458.01	1473.21	1486.36	1493.61	1489.88	1491.62	1493.82
31	1451.46	1453.31	1458.62	1440.85	1456.60	1470.56	1477.57	1474.35	1475.22	1478.51
32	1433.90	1436.95	1442.57	1423.49	1439.12	1454.32	1460.67	1457.66	1458.08	1461.63
33	1415.57	1419.88	1425.16	1406.11	1421.45	1436.72	1443.19	1440.31	1440.79	1444.80
34	1397.80	1402.12	1406.86	1387.75	1403.17	1419.17	1425.71	1422.96	1423.02	1427.16
35	1378.43	1383.19	1388.50	1369.51	1384.93	1400.86	1407.32	1404.99	1405.33	1409.30
36	1359.38	1364.48	1369.67	1350.43	1365.42	1382.81	1388.77	1386.63	1386.16	1390.94
37	1339.90	1344.92	1350.08	1330.52	1346.62	1363.56	1369.61	1367.35	1367.33	1372.33
38	1319.13	1324.61	1329.97	1310.39	1326.33	1343.81	1349.74	1348.01	1347.08	1352.22
39	1298.16	1304.40	1309.58	1290.55	1305.89	1324.07	1329.69	1328.29	1327.01	1332.93
40	1276.98	1283.31	1288.59	1269.38	1284.85	1303.67	1309.15	1307.49	1306.61	1312.47
41	1254.69	1262.07	1267.17	1248.55	1263.92	1282.28	1288.01	1286.98	1284.96	1291.46
42	1232.91	1240.64	1246.27	1226.87	1242.36	1260.97	1266.62	1265.42	1263.28	1270.11
43	1210.08	1218.51	1223.78	1204.48	1219.71	1238.99	1244.49	1243.44	1241.21	1248.32
44	1187.15	1195.62	1200.82	1182.73	1196.88	1216.82	1221.96	1221.21	1218.82	1226.20
45	1163.84	1173.16	1177.73	1159.57	1174.34	1193.97	1198.89	1198.36	1195.63	1203.07
46	1140.42	1149.65	1154.33	1136.76	1150.81	1170.62	1175.77	1175.19	1172.51	1179.84
47	1115.32	1126.23	1130.08	1112.96	1127.40	1147.28	1151.99	1151.80	1148.54	1156.03
48	1091.04	1101.62	1105.97	1089.21	1103.23	1122.60	1127.56	1127.73	1124.10	1131.92
49	1066.21	1076.65	1080.68	1065.12	1079.21	1098.53	1103.64	1103.26	1099.53	1107.66
50	1040.19	1051.54	1055.39	1040.17	1054.49	1073.71	1078.66	1078.41	1074.84	1082.45
51	1014.98	1025.47	1029.76	1015.08	1028.78	1048.25	1053.18	1052.97	1049.54	1057.18
52	988.18	1000.42	1003.65	989.71	1003.40	1022.94	1027.61	1027.69	1023.76	1031.32
53	961.91	973.63	977.97	964.56	977.54	997.02	1001.90	1002.23	997.50	1005.50

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CANDELA TABULATION - (Cont.)

54	935.63	946.78	950.52	938.14	952.00	970.70	975.89	975.52	971.33	978.97
55	908.50	920.44	923.63	911.80	925.71	944.57	949.17	949.18	944.60	952.14
56	881.35	893.06	897.33	885.42	899.17	917.32	922.16	922.18	917.40	925.00
57	854.65	866.41	871.04	858.47	872.15	890.23	894.91	894.84	890.26	897.16
58	827.96	839.77	844.75	831.64	845.45	862.78	867.64	867.64	862.41	869.77
59	801.27	813.12	816.70	804.44	818.28	835.31	840.40	839.77	835.13	842.16
60	773.35	784.71	788.70	776.70	790.40	807.29	812.12	812.07	807.41	813.91
61	745.12	756.67	760.59	749.53	762.98	779.24	784.04	783.98	779.65	785.52
62	716.84	727.99	732.21	721.31	735.16	751.16	755.91	755.76	751.39	757.13
63	688.27	699.25	703.56	693.60	707.56	722.51	727.23	727.39	723.06	728.07
64	659.53	670.50	674.72	665.33	678.94	694.00	698.84	698.71	694.38	698.95
65	630.97	641.88	646.01	637.70	650.64	665.45	670.01	670.09	665.92	670.24
66	601.94	612.44	616.73	609.53	622.17	637.04	641.35	641.37	637.09	641.29
67	572.94	583.77	588.17	581.20	594.25	608.33	612.25	612.46	608.22	612.08
68	544.66	554.84	559.34	552.89	565.98	579.61	583.87	583.67	579.32	583.21
69	515.79	525.86	530.21	524.60	537.52	550.81	554.70	554.79	550.71	553.80
70	486.87	496.94	501.36	496.43	509.07	522.00	525.96	525.98	521.94	524.68
71	458.86	468.42	472.70	468.72	480.74	493.42	497.49	497.29	492.91	495.86
72	430.33	439.60	444.33	440.51	453.03	464.85	468.53	468.92	464.91	466.95
73	401.96	410.87	415.46	412.67	425.21	436.25	440.19	440.45	436.21	438.26
74	374.70	383.11	387.58	385.23	397.40	408.36	411.72	412.05	408.17	409.92
75	346.67	354.94	359.57	357.94	369.68	380.26	383.48	383.85	379.98	381.33
76	319.29	327.56	331.72	331.12	341.86	352.29	355.58	355.66	352.33	353.19
77	292.00	300.11	304.56	304.17	314.35	324.53	327.91	328.31	324.96	325.27
78	265.20	272.54	277.35	277.21	287.37	297.79	300.69	300.67	297.49	297.92
79	238.44	245.48	250.63	250.26	260.49	270.07	273.65	273.78	270.61	271.01
80	212.09	218.65	224.32	223.88	233.40	242.42	246.85	247.03	243.89	243.82
81	186.36	192.69	197.92	197.19	207.02	215.40	220.66	220.62	217.97	217.67
82	160.90	166.86	171.66	170.91	180.41	188.59	194.19	194.90	191.93	191.51
83	136.25	142.09	145.46	144.91	153.89	161.54	168.14	168.79	166.55	166.60
84	112.00	117.02	119.37	119.60	128.39	135.85	141.91	143.83	141.24	140.32
85	87.81	92.53	93.91	94.74	103.17	110.11	116.10	118.83	116.68	115.30
86	64.41	67.92	69.31	71.10	79.17	85.47	90.71	94.62	93.11	91.25
87	42.52	44.19	46.11	48.35	56.00	61.48	66.37	70.66	69.42	67.13
88	21.20	21.98	23.81	26.66	33.73	38.53	42.92	46.77	46.59	43.08
89	4.61	5.16	6.61	9.16	14.46	18.00	21.22	24.51	25.27	21.18
90	0.60	4.27	0.54	0.54	2.11	16.03	5.52	6.80	7.06	4.55
91	0.56	3.38	0.31	0.29	1.84	14.06	4.66	0.53	0.58	0.51
92	0.53	2.48	0.23	0.26	1.57	12.09	3.80	0.51	0.56	0.52
93	0.53	1.59	0.22	0.23	1.30	10.11	2.94	0.51	0.58	0.57
94	0.58	0.70	0.23	0.22	1.03	8.14	2.08	0.53	0.58	0.57
95	0.69	0.73	0.23	0.21	0.77	6.17	1.74	0.59	0.66	0.62
96	0.74	0.76	0.24	0.20	0.50	4.20	1.40	0.59	0.66	0.65
97	0.82	0.78	0.24	0.19	0.23	2.23	1.06	0.67	0.72	0.71
98	0.90	0.86	0.25	0.19	0.23	0.26	0.72	0.72	0.77	0.81
99	0.98	0.92	0.25	0.19	0.26	0.28	0.39	0.78	0.88	0.89
100	1.03	0.91	0.28	0.19	0.26	0.29	0.41	0.86	0.96	0.95
101	1.03	0.91	0.31	0.19	0.32	0.31	0.44	0.91	1.01	1.00
102	1.09	0.91	0.34	0.19	0.35	0.34	0.47	0.96	1.06	1.08
103	1.07	0.90	0.36	0.19	0.35	0.40	0.49	1.07	1.20	1.09
104	1.06	0.90	0.39	0.19	0.40	0.40	0.52	1.09	1.30	1.09
105	1.05	0.90	0.42	0.19	0.43	0.46	0.55	1.15	1.35	1.09
106	1.03	0.89	0.50	0.19	0.49	0.48	0.61	1.14	1.38	1.09
107	1.02	0.86	0.53	0.20	0.49	0.46	0.63	1.13	1.38	1.09
108	1.01	0.86	0.54	0.20	0.52	0.49	0.66	1.12	1.35	1.10
109	1.01	0.84	0.55	0.20	0.52	0.54	0.71	1.11	1.33	1.10

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CANDELA TABULATION - (Cont.)

110	0.95	0.81	0.56	0.20	0.61	0.54	0.72	1.10	1.30	1.10
111	0.93	0.78	0.57	0.20	0.58	0.57	0.73	1.09	1.32	1.10
112	0.90	0.78	0.58	0.20	0.58	0.60	0.74	1.09	1.27	1.11
113	0.82	0.71	0.59	0.23	0.61	0.63	0.75	1.07	1.22	1.11
114	0.77	0.62	0.62	0.26	0.64	0.66	0.76	1.04	1.19	1.08
115	0.69	0.52	0.64	0.29	0.66	0.68	0.77	0.93	1.14	1.03
116	0.61	0.35	0.67	0.34	0.69	0.71	0.78	0.80	1.11	0.89
117	0.53	0.17	0.67	0.37	0.70	0.74	0.79	0.75	1.06	0.78
118	0.43	0.11	0.66	0.35	0.71	0.71	0.80	0.69	0.98	0.70
119	0.35	0.13	0.66	0.40	0.72	0.71	0.79	0.45	0.79	0.62
120	0.29	0.11	0.66	0.40	0.73	0.74	0.79	0.37	0.72	0.46
121	0.29	0.08	0.65	0.40	0.74	0.71	0.79	0.35	0.69	0.32
122	0.28	0.11	0.65	0.41	0.75	0.77	0.78	0.32	0.50	0.31
123	0.27	0.06	0.64	0.41	0.72	0.74	0.78	0.31	0.37	0.30
124	0.27	0.08	0.64	0.41	0.75	0.80	0.78	0.31	0.32	0.29
125	0.26	0.05	0.63	0.41	0.78	0.80	0.78	0.30	0.32	0.28
126	0.26	0.05	0.63	0.42	0.78	0.80	0.77	0.30	0.31	0.27
127	0.26	0.05	0.63	0.42	0.84	0.81	0.77	0.29	0.31	0.26
128	0.26	0.03	0.62	0.42	0.85	0.81	0.75	0.28	0.31	0.25
129	0.27	0.03	0.62	0.42	0.86	0.82	0.74	0.28	0.31	0.24
130	0.27	0.03	0.64	0.42	0.87	0.82	0.72	0.27	0.30	0.23
131	0.27	0.03	0.62	0.43	0.88	0.82	0.70	0.26	0.30	0.22
132	0.28	0.03	0.59	0.43	0.89	0.83	0.69	0.26	0.30	0.21
133	0.28	0.03	0.56	0.44	0.89	0.83	0.63	0.25	0.30	0.21
134	0.28	0.03	0.53	0.45	0.90	0.83	0.63	0.26	0.29	0.21
135	0.28	0.03	0.51	0.46	0.91	0.84	0.62	0.26	0.29	0.21
136	0.29	0.05	0.45	0.47	0.92	0.84	0.62	0.26	0.29	0.21
137	0.29	0.08	0.42	0.48	0.93	0.85	0.61	0.26	0.32	0.21
138	0.29	0.05	0.42	0.49	0.94	0.85	0.61	0.27	0.29	0.21
139	0.30	0.08	0.39	0.50	0.94	0.85	0.60	0.28	0.32	0.22
140	0.30	0.13	0.39	0.51	0.94	0.85	0.60	0.30	0.35	0.22
141	0.30	0.16	0.34	0.52	0.95	0.86	0.59	0.32	0.37	0.22
142	0.30	0.16	0.31	0.53	0.95	0.86	0.59	0.34	0.40	0.27
143	0.31	0.27	0.28	0.54	0.95	0.86	0.59	0.36	0.41	0.27
144	0.31	0.28	0.28	0.55	0.95	0.86	0.58	0.37	0.42	0.30
145	0.31	0.29	0.29	0.56	0.96	0.87	0.58	0.39	0.43	0.30
146	0.31	0.30	0.29	0.57	0.96	0.87	0.60	0.41	0.44	0.32
147	0.32	0.31	0.29	0.58	0.96	0.87	0.61	0.42	0.45	0.35
148	0.32	0.32	0.29	0.59	0.97	0.87	0.62	0.44	0.48	0.35
149	0.32	0.32	0.30	0.60	0.97	0.88	0.63	0.45	0.45	0.37
150	0.32	0.35	0.30	0.61	0.97	0.88	0.64	0.43	0.48	0.39
151	0.33	0.35	0.30	0.62	0.98	0.88	0.64	0.45	0.53	0.42
152	0.33	0.43	0.31	0.63	0.98	0.88	0.65	0.46	0.50	0.44
153	0.33	0.44	0.31	0.64	0.99	0.91	0.66	0.46	0.56	0.46
154	0.33	0.45	0.34	0.65	1.00	0.91	0.69	0.46	0.56	0.49
155	0.34	0.46	0.35	0.66	1.00	0.94	0.69	0.46	0.56	0.49
156	0.34	0.47	0.35	0.67	1.01	0.97	0.72	0.46	0.57	0.51
157	0.36	0.48	0.36	0.68	1.04	0.97	0.77	0.47	0.57	0.57
158	0.37	0.48	0.37	0.69	1.04	0.97	0.77	0.47	0.57	0.57
159	0.39	0.49	0.38	0.70	1.04	0.98	0.77	0.47	0.58	0.59
160	0.40	0.49	0.39	0.71	1.03	0.98	0.77	0.47	0.58	0.60
161	0.41	0.50	0.39	0.72	1.03	0.98	0.77	0.47	0.59	0.62
162	0.42	0.50	0.45	0.73	1.03	0.99	0.77	0.48	0.59	0.65
163	0.43	0.50	0.46	0.74	1.03	0.99	0.77	0.48	0.60	0.65
164	0.44	0.51	0.48	0.75	1.03	0.99	0.77	0.48	0.60	0.65
165	0.45	0.52	0.50	0.75	1.02	0.99	0.77	0.48	0.60	0.65

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CANDELA TABULATION - (Cont.)

166	0.46	0.52	0.52	0.78	1.02	1.00	0.77	0.48	0.61	0.65
167	0.47	0.53	0.52	0.83	1.02	1.00	0.77	0.49	0.61	0.65
168	0.48	0.53	0.52	0.83	1.02	1.00	0.77	0.49	0.62	0.65
169	0.50	0.54	0.52	0.83	1.02	1.01	0.77	0.49	0.62	0.65
170	0.53	0.55	0.52	0.83	1.02	1.01	0.77	0.49	0.63	0.65
171	0.53	0.56	0.52	0.83	1.01	1.01	0.77	0.49	0.63	0.65
172	0.58	0.57	0.53	0.83	1.01	1.02	0.77	0.50	0.63	0.65
173	0.58	0.58	0.53	0.83	1.01	1.02	0.77	0.50	0.58	0.65
174	0.56	0.59	0.53	0.83	1.01	1.02	0.77	0.50	0.58	0.65
175	0.66	0.57	0.53	0.83	1.01	0.97	0.77	0.50	0.56	0.65
176	0.64	0.57	0.53	0.83	1.01	0.97	0.77	0.50	0.56	0.65
177	0.64	0.57	0.53	0.83	1.01	0.97	0.77	0.51	0.56	0.65
178	0.64	0.57	0.53	0.83	1.01	0.97	0.77	0.48	0.56	0.65
179	0.64	0.57	0.53	0.83	1.01	1.00	0.77	0.45	0.56	0.65
180	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64

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	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34	1717.34
1	1717.03	1717.00	1716.39	1716.74	1716.72	1715.91	1716.76
2	1717.00	1715.97	1715.02	1715.16	1715.19	1714.99	1715.88
3	1715.75	1714.71	1713.04	1712.64	1713.68	1713.53	1714.43
4	1714.21	1712.74	1710.23	1710.50	1710.41	1711.46	1711.79
5	1712.03	1711.05	1707.50	1706.46	1707.70	1707.75	1708.60
6	1709.52	1708.25	1703.61	1703.27	1704.34	1704.43	1706.56
7	1706.44	1704.53	1699.44	1699.26	1700.67	1700.95	1702.18
8	1703.98	1700.74	1694.68	1694.45	1696.09	1696.46	1698.34
9	1699.98	1696.93	1688.98	1688.60	1691.08	1691.73	1693.65
10	1694.96	1691.08	1683.07	1682.96	1685.56	1686.15	1688.49
11	1690.69	1685.28	1676.24	1677.02	1679.01	1679.83	1682.84
12	1686.52	1679.60	1669.05	1669.94	1672.21	1673.19	1676.49
13	1680.17	1672.51	1661.28	1661.54	1666.14	1666.19	1669.13
14	1673.81	1665.10	1653.02	1653.22	1657.85	1658.73	1661.79
15	1667.44	1657.49	1643.71	1644.36	1649.72	1649.84	1654.54
16	1659.95	1649.57	1634.27	1634.98	1641.11	1641.00	1645.71
17	1652.02	1640.30	1624.17	1625.74	1631.35	1631.97	1635.92
18	1642.79	1630.81	1613.03	1614.79	1621.24	1621.72	1626.16
19	1633.92	1620.80	1602.14	1603.95	1612.33	1610.70	1616.44
20	1624.51	1610.33	1590.48	1592.41	1600.15	1600.15	1606.11
21	1613.85	1598.82	1577.97	1580.73	1588.74	1588.37	1594.77
22	1603.01	1587.19	1564.56	1567.39	1576.53	1576.97	1582.74
23	1592.57	1575.32	1551.85	1554.89	1564.07	1564.38	1570.96
24	1580.28	1562.36	1537.93	1540.97	1550.69	1550.46	1557.64
25	1567.50	1548.92	1523.61	1527.11	1537.35	1537.42	1543.82
26	1554.75	1535.09	1508.76	1512.75	1523.08	1523.81	1529.58
27	1541.56	1521.40	1492.86	1497.15	1508.12	1508.98	1515.30
28	1527.34	1506.65	1477.12	1481.67	1492.49	1492.79	1499.91
29	1512.71	1491.13	1460.50	1466.15	1477.58	1478.21	1484.35
30	1497.52	1475.18	1443.67	1449.55	1460.89	1462.06	1468.52
31	1481.71	1458.80	1426.53	1432.86	1443.75	1444.54	1451.46
32	1465.82	1441.81	1408.45	1414.94	1426.67	1427.19	1433.90
33	1448.92	1424.36	1390.36	1396.87	1408.41	1410.18	1415.57
34	1431.63	1406.95	1371.71	1378.67	1390.01	1391.65	1397.80
35	1413.91	1388.91	1352.61	1359.52	1371.12	1373.67	1378.43
36	1395.05	1369.68	1332.60	1339.99	1352.00	1354.52	1359.38

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CANDELA TABULATION - (Cont.)

37	1375.91	1350.91	1312.30	1319.91	1331.88	1334.41	1339.90
38	1356.77	1330.64	1292.15	1299.92	1311.81	1314.02	1319.13
39	1336.60	1310.72	1271.85	1279.97	1290.67	1293.17	1298.16
40	1316.19	1289.90	1250.16	1259.19	1270.27	1271.90	1276.98
41	1295.09	1269.02	1228.76	1238.24	1248.59	1251.57	1254.69
42	1273.46	1247.69	1206.71	1215.87	1226.33	1228.91	1232.91
43	1251.14	1225.59	1184.38	1194.01	1204.37	1206.67	1210.08
44	1228.49	1202.87	1162.08	1171.21	1181.45	1185.21	1187.15
45	1205.54	1180.26	1138.61	1148.23	1157.72	1161.33	1163.84
46	1182.05	1157.57	1115.08	1124.98	1134.47	1137.78	1140.42
47	1157.93	1133.11	1090.74	1101.50	1110.33	1113.73	1115.32
48	1133.53	1109.14	1066.71	1076.83	1085.51	1089.53	1091.04
49	1108.46	1085.03	1042.27	1052.06	1061.20	1063.99	1066.21
50	1083.43	1060.19	1017.62	1027.17	1035.46	1039.19	1040.19
51	1057.70	1034.42	992.56	1002.19	1010.01	1012.86	1014.98
52	1031.77	1009.23	967.31	976.68	984.56	987.55	988.18
53	1005.60	983.24	941.79	950.66	958.61	960.64	961.91
54	978.80	957.30	915.62	924.16	931.36	934.33	935.63
55	951.86	930.51	889.56	898.95	905.34	907.01	908.50
56	924.80	903.49	862.86	873.74	878.94	880.84	881.35
57	896.94	876.36	836.25	847.12	852.53	854.24	854.65
58	869.02	849.08	809.68	820.20	826.13	827.64	827.96
59	841.04	821.22	782.46	792.64	798.55	801.04	801.27
60	812.55	793.50	755.25	765.24	770.78	773.12	773.35
61	783.74	765.39	727.70	737.76	742.17	744.55	745.12
62	755.52	737.67	700.13	709.32	714.31	716.39	716.84
63	726.41	708.86	672.41	681.40	685.18	687.99	688.27
64	696.79	680.33	644.53	653.54	656.86	658.99	659.53
65	668.32	651.95	617.16	625.24	628.16	630.69	630.97
66	638.64	623.10	588.97	596.92	599.54	601.25	601.94
67	609.60	594.44	561.26	568.58	570.98	572.94	572.94
68	580.27	565.52	533.48	540.30	542.23	544.11	544.66
69	551.20	537.00	505.58	512.09	513.66	515.20	515.79
70	521.79	507.94	477.62	483.50	484.92	486.90	486.87
71	492.55	480.29	450.39	455.84	456.90	458.56	458.86
72	463.61	451.33	422.47	427.57	428.72	430.33	430.33
73	434.72	423.28	395.05	399.58	400.38	401.62	401.96
74	406.19	394.93	368.26	372.14	372.95	374.13	374.70
75	377.89	367.27	341.70	344.81	344.99	346.46	346.67
76	349.59	338.95	315.11	317.91	317.91	318.88	319.29
77	321.74	311.87	289.14	290.88	291.07	291.82	292.00
78	294.76	284.47	263.26	264.67	264.17	264.85	265.20
79	267.51	257.51	237.27	238.33	238.20	238.09	238.44
80	240.69	230.85	211.91	212.65	212.32	211.87	212.09
81	214.10	205.03	187.06	187.50	186.80	186.05	186.36
82	187.95	179.17	162.42	161.96	161.02	160.81	160.90
83	162.19	153.45	137.89	137.25	136.31	135.85	136.25
84	136.30	128.66	114.18	112.96	111.74	111.27	112.00
85	111.31	103.09	90.24	88.50	86.91	87.30	87.81
86	86.22	78.90	67.07	64.58	62.94	63.28	64.41
87	61.44	54.38	44.51	41.78	39.80	40.54	42.52
88	37.47	31.72	23.78	20.41	18.56	18.83	21.20
89	16.25	12.60	7.61	5.56	4.15	3.66	4.61
90	3.15	10.82	0.37	0.43	0.39	0.69	0.60
91	0.42	9.05	0.23	0.23	0.30	0.59	0.56
92	0.36	7.28	0.20	0.23	0.30	0.59	0.53

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CANDELA TABULATION - (Cont.)

93	0.37	5.51	0.20	0.20	0.25	0.61	0.53
94	0.39	3.74	0.21	0.20	0.27	0.64	0.58
95	0.37	1.97	0.21	0.20	0.27	0.72	0.69
96	0.42	0.20	0.21	0.20	0.26	0.75	0.74
97	0.45	0.20	0.21	0.20	0.26	0.77	0.82
98	0.45	0.29	0.21	0.20	0.25	0.83	0.90
99	0.50	0.29	0.21	0.20	0.25	0.93	0.98
100	0.51	0.35	0.21	0.20	0.27	0.99	1.03
101	0.56	0.37	0.22	0.20	0.28	1.07	1.03
102	0.62	0.40	0.22	0.20	0.30	1.07	1.09
103	0.64	0.43	0.22	0.20	0.32	0.99	1.07
104	0.70	0.46	0.22	0.20	0.34	0.96	1.06
105	0.73	0.52	0.22	0.20	0.36	0.93	1.05
106	0.79	0.49	0.22	0.20	0.41	0.91	1.03
107	0.79	0.58	0.22	0.20	0.49	0.88	1.02
108	0.90	0.60	0.23	0.20	0.47	0.85	1.01
109	0.93	0.63	0.23	0.23	0.49	0.80	1.01
110	0.93	0.69	0.23	0.20	0.52	0.80	0.95
111	1.01	0.75	0.23	0.26	0.55	0.77	0.93
112	1.00	0.75	0.20	0.34	0.58	0.75	0.90
113	0.99	0.80	0.23	0.34	0.60	0.70	0.82
114	0.99	0.78	0.26	0.34	0.60	0.62	0.77
115	0.98	0.78	0.26	0.34	0.60	0.46	0.69
116	0.97	0.78	0.28	0.34	0.60	0.30	0.61
117	0.96	0.78	0.29	0.34	0.59	0.16	0.53
118	0.95	0.79	0.31	0.34	0.59	0.11	0.43
119	0.92	0.79	0.32	0.35	0.58	0.13	0.35
120	0.91	0.79	0.33	0.36	0.58	0.08	0.29
121	0.90	0.79	0.34	0.36	0.57	0.11	0.29
122	0.89	0.79	0.35	0.37	0.57	0.03	0.28
123	0.88	0.80	0.36	0.38	0.56	0.05	0.27
124	0.87	0.80	0.37	0.38	0.56	0.00	0.27
125	0.86	0.80	0.38	0.39	0.55	0.00	0.26
126	0.85	0.80	0.38	0.40	0.54	0.00	0.26
127	0.84	0.81	0.38	0.37	0.54	0.00	0.26
128	0.84	0.81	0.38	0.45	0.53	0.00	0.26
129	0.81	0.81	0.38	0.45	0.53	0.00	0.27
130	0.79	0.81	0.38	0.45	0.52	0.00	0.27
131	0.76	0.82	0.38	0.44	0.49	0.00	0.27
132	0.74	0.82	0.38	0.44	0.44	0.00	0.28
133	0.72	0.82	0.38	0.44	0.41	0.00	0.28
134	0.69	0.82	0.38	0.44	0.39	0.00	0.28
135	0.67	0.82	0.38	0.43	0.36	0.00	0.28
136	0.59	0.83	0.38	0.43	0.28	0.00	0.29
137	0.53	0.83	0.38	0.43	0.25	0.00	0.29
138	0.50	0.83	0.38	0.43	0.27	0.00	0.29
139	0.53	0.83	0.38	0.42	0.22	0.00	0.30
140	0.48	0.81	0.38	0.42	0.25	0.00	0.30
141	0.50	0.80	0.38	0.42	0.22	0.00	0.30
142	0.48	0.78	0.38	0.41	0.22	0.05	0.30
143	0.42	0.78	0.38	0.41	0.17	0.03	0.31
144	0.39	0.80	0.38	0.41	0.19	0.05	0.31
145	0.39	0.75	0.38	0.41	0.16	0.16	0.31
146	0.39	0.77	0.38	0.40	0.16	0.19	0.31
147	0.38	0.75	0.38	0.40	0.18	0.20	0.32
148	0.38	0.73	0.38	0.40	0.19	0.21	0.32

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CANDELA TABULATION - (Cont.)

149	0.38	0.71	0.38	0.39	0.20	0.22	0.32
150	0.38	0.68	0.38	0.39	0.21	0.23	0.32
151	0.37	0.66	0.38	0.38	0.22	0.24	0.33
152	0.37	0.66	0.38	0.38	0.23	0.25	0.33
153	0.37	0.65	0.38	0.38	0.24	0.26	0.33
154	0.36	0.65	0.38	0.39	0.25	0.27	0.33
155	0.34	0.65	0.38	0.39	0.26	0.28	0.34
156	0.39	0.64	0.38	0.40	0.27	0.29	0.34
157	0.39	0.64	0.38	0.40	0.28	0.37	0.36
158	0.42	0.64	0.38	0.41	0.29	0.38	0.37
159	0.42	0.63	0.38	0.41	0.30	0.38	0.39
160	0.48	0.63	0.38	0.42	0.36	0.39	0.40
161	0.48	0.62	0.38	0.42	0.36	0.39	0.41
162	0.51	0.62	0.43	0.43	0.36	0.40	0.42
163	0.53	0.62	0.60	0.43	0.36	0.40	0.43
164	0.56	0.61	0.75	0.45	0.36	0.43	0.44
165	0.56	0.61	0.75	0.48	0.36	0.48	0.45
166	0.56	0.61	0.83	0.57	0.36	0.45	0.46
167	0.57	0.60	0.81	0.68	0.36	0.51	0.47
168	0.57	0.60	0.84	0.68	0.36	0.51	0.48
169	0.57	0.59	0.84	0.70	0.36	0.51	0.50
170	0.57	0.59	0.86	0.72	0.36	0.52	0.53
171	0.58	0.59	0.88	0.73	0.36	0.52	0.53
172	0.58	0.58	0.91	0.75	0.36	0.53	0.58
173	0.58	0.58	0.93	0.76	0.38	0.53	0.58
174	0.58	0.58	0.95	0.78	0.41	0.53	0.56
175	0.58	0.58	0.95	0.80	0.41	0.53	0.66
176	0.59	0.58	0.95	0.80	0.44	0.56	0.64
177	0.59	0.58	0.95	0.80	0.49	0.59	0.64
178	0.59	0.58	0.95	0.80	0.47	0.56	0.64
179	0.59	0.58	0.95	0.80	0.47	0.56	0.64
180	0.64	0.64	0.64	0.64	0.64	0.64	0.64

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	630.35	N.A.	12.40
0-30	1344.15	N.A.	26.40
0-40	2211.72	N.A.	43.40
0-60	3946.58	N.A.	77.50
0-80	4972.47	N.A.	97.70
0-90	5086.39	N.A.	99.90
10-90	4923.75	N.A.	96.70
20-40	1581.37	N.A.	31.10
20-50	2488.87	N.A.	48.90
40-70	2375.97	N.A.	46.70
60-80	1025.89	N.A.	20.20
70-80	384.78	N.A.	7.60
80-90	113.92	N.A.	2.20
90-110	2.09	N.A.	0.00
90-120	2.73	N.A.	0.10
90-130	3.16	N.A.	0.10
90-150	3.79	N.A.	0.10
90-180	4.27	N.A.	0.10
110-180	2.18	N.A.	0.00
0-180	5090.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.63
10-20	467.72
20-30	713.80
30-40	867.57
40-50	907.50
50-60	827.35
60-70	641.11
70-80	384.78
80-90	113.92
90-100	1.40
100-110	0.68
110-120	0.65
120-130	0.43
130-140	0.34
140-150	0.28
150-160	0.24
160-170	0.17
170-180	0.06

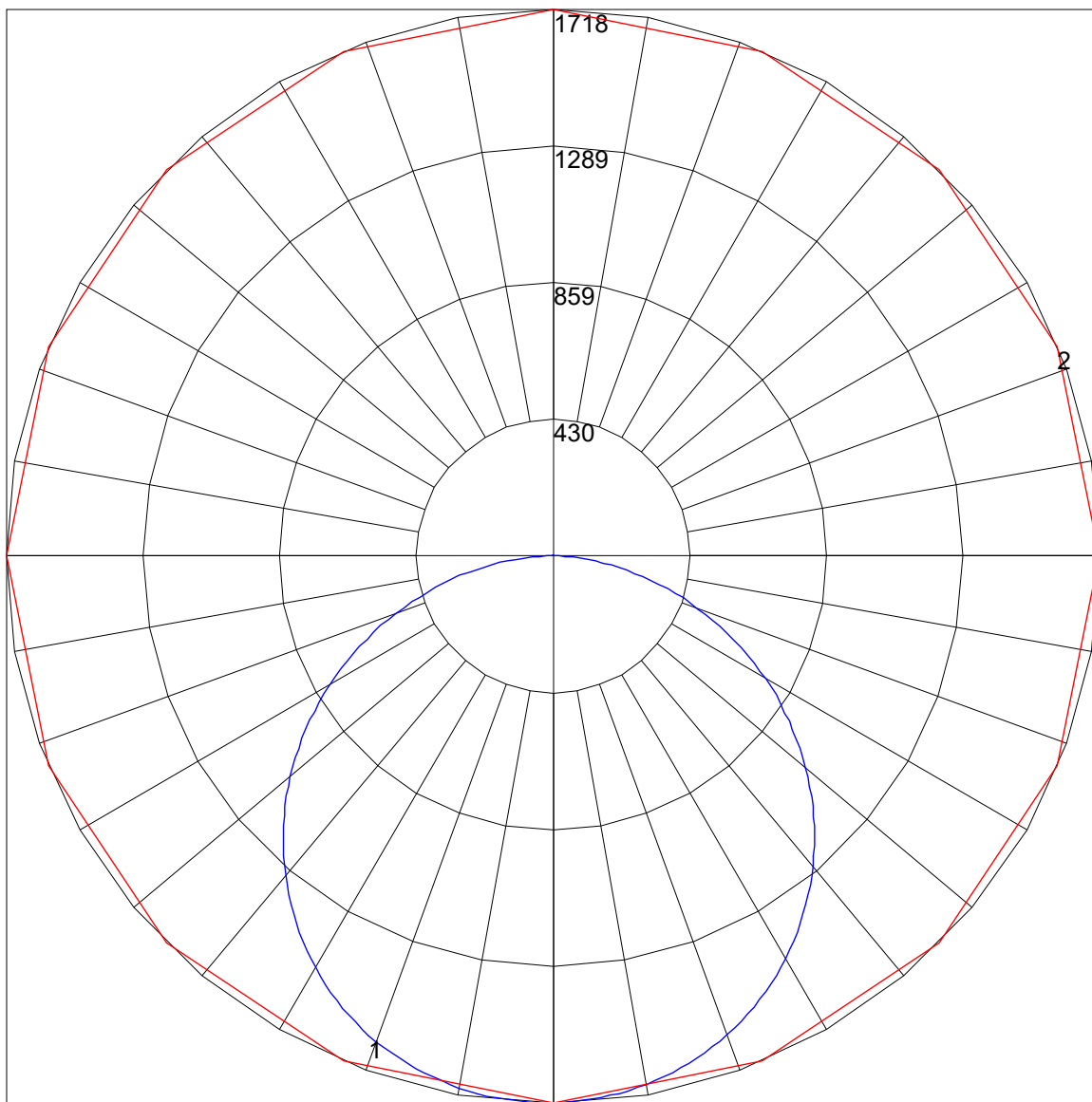
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 24 MD UV FR 840.IES

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	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

POLAR GRAPH



Maximum Candela = 1718.22 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.)