



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 24 HI 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 15:14:17

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 24 HI UV FR 840

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	207.42	207.42	3.20	3.20
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[OTHER]	10- 20	596.36	803.79	12.38	12.38
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[OTHER]	20- 30	909.81	1713.60	26.40	26.40
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[OTHER]	30- 40	1106.02	2819.62	43.44	43.44
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[OTHER]	40- 50	1157.31	3976.93	61.26	61.26
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[OTHER]	50- 60	1054.84	5031.77	77.51	77.51
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[OTHER]	60- 70	817.21	5848.98	90.10	90.10
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[OTHER]	70- 80	490.76	6339.75	97.66	97.66
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[OTHER]	80- 90	145.45	6485.20	99.90	99.90
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[OTHER]	90-100	2.00	6487.20	99.93	99.93
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[OTHER]	100-110	0.97	6488.17	99.95	99.95
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[OTHER]	110-120	0.94	6489.11	99.96	99.96
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[OTHER]	120-130	0.69	6489.80	99.97	99.97
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[OTHER]	130-140	0.57	6490.37	99.98	99.98
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[OTHER]	140-150	0.44	6490.81	99.99	99.99
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[OTHER]	150-160	0.35	6491.16	99.99	99.99
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[OTHER]	160-170	0.26	6491.42	100.00	100.00
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[OTHER]	170-180	0.10	6491.52	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	6492
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	50.9
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	3007	3044	3041
55	2895	2946	2954
65	2724	2793	2819
75	2447	2539	2615
85	1851	1974	2165

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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	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18
1	2188.17	2190.15	2189.56	2190.48	2191.12	2190.18	2190.79	2190.79	2188.69	2191.36
2	2186.63	2188.37	2187.99	2188.28	2190.11	2189.86	2190.48	2190.18	2188.07	2190.15
3	2184.84	2187.41	2186.10	2186.59	2188.84	2189.80	2190.10	2188.96	2186.88	2188.31
4	2182.20	2184.72	2182.92	2182.80	2186.23	2187.23	2187.37	2187.69	2185.40	2187.37
5	2179.14	2180.11	2180.09	2179.17	2183.93	2184.29	2185.41	2184.40	2182.36	2184.31
6	2174.75	2177.38	2176.26	2175.20	2180.93	2180.85	2181.73	2181.70	2179.04	2181.82
7	2170.26	2172.17	2171.31	2169.74	2176.32	2177.25	2178.99	2178.02	2175.43	2176.93
8	2164.59	2166.81	2165.89	2164.27	2171.52	2172.37	2173.73	2172.59	2170.65	2172.59
9	2158.84	2161.29	2160.17	2156.82	2165.84	2167.29	2169.99	2167.71	2166.09	2167.16
10	2152.03	2154.57	2154.27	2149.99	2159.43	2161.76	2164.40	2161.11	2159.77	2161.14
11	2144.97	2146.48	2146.87	2142.41	2151.49	2155.75	2156.97	2155.05	2153.00	2155.50
12	2136.50	2138.37	2138.16	2133.39	2143.80	2146.92	2150.60	2148.52	2146.19	2148.26
13	2127.87	2129.45	2129.91	2124.13	2135.79	2138.71	2141.99	2139.52	2137.94	2140.50
14	2118.24	2120.21	2120.65	2114.28	2125.65	2130.32	2134.08	2130.95	2130.29	2131.56
15	2107.49	2109.34	2110.58	2102.78	2115.79	2120.30	2125.22	2121.13	2119.98	2122.37
16	2096.87	2099.50	2100.05	2091.44	2105.63	2110.58	2113.99	2111.38	2109.71	2112.30
17	2085.19	2087.79	2088.87	2079.19	2093.83	2098.00	2104.99	2099.71	2099.00	2101.57
18	2072.57	2075.08	2076.77	2066.15	2080.71	2086.42	2093.09	2088.49	2088.68	2090.01
19	2060.20	2061.68	2064.04	2051.81	2067.75	2074.59	2080.84	2076.74	2075.31	2078.77
20	2047.25	2049.33	2050.35	2038.16	2054.65	2060.71	2067.95	2063.92	2062.65	2065.88
21	2032.83	2034.17	2037.34	2023.10	2040.51	2047.36	2054.73	2049.44	2049.84	2052.33
22	2017.65	2019.79	2022.39	2008.23	2024.24	2032.30	2040.67	2035.39	2036.01	2038.32
23	2002.14	2004.07	2006.94	1990.76	2009.16	2017.28	2025.50	2020.65	2021.11	2023.66
24	1984.65	1987.35	1990.98	1974.73	1992.32	2001.42	2009.63	2004.99	2005.46	2008.17
25	1967.97	1971.24	1975.01	1956.86	1976.01	1985.67	1993.50	1988.72	1989.00	1991.80
26	1950.29	1953.01	1957.97	1938.27	1956.68	1968.31	1977.15	1970.82	1971.89	1975.44
27	1931.41	1934.18	1939.52	1919.03	1939.90	1950.81	1958.70	1954.21	1954.22	1957.35
28	1911.82	1915.25	1920.62	1899.55	1919.77	1932.32	1940.60	1935.17	1935.85	1939.77
29	1893.25	1895.97	1901.57	1879.90	1899.36	1913.49	1921.86	1916.66	1916.67	1920.41
30	1871.07	1875.60	1881.52	1858.78	1879.31	1893.46	1900.96	1896.91	1896.75	1901.08
31	1849.45	1855.06	1861.47	1837.13	1857.91	1873.03	1880.93	1876.77	1875.96	1881.58
32	1827.91	1833.25	1839.96	1815.40	1836.41	1851.81	1859.52	1855.75	1854.18	1860.21
33	1805.17	1811.10	1817.62	1793.32	1814.61	1830.39	1837.92	1833.45	1833.21	1839.00
34	1781.81	1787.72	1793.83	1769.14	1791.36	1807.91	1814.72	1811.82	1810.59	1816.99
35	1757.07	1764.89	1771.13	1745.54	1768.10	1786.14	1791.75	1788.74	1787.14	1794.15
36	1732.65	1740.40	1747.39	1721.40	1744.81	1762.11	1768.47	1765.81	1762.98	1770.70
37	1707.45	1715.97	1722.13	1696.84	1719.20	1738.09	1744.20	1741.08	1739.24	1746.88
38	1681.79	1690.16	1696.86	1671.16	1693.85	1714.06	1719.72	1716.95	1714.15	1722.45
39	1654.72	1664.83	1670.84	1646.44	1667.70	1688.69	1693.72	1691.99	1688.47	1697.68
40	1627.49	1638.34	1643.92	1619.29	1641.50	1662.14	1667.72	1665.33	1662.94	1671.55
41	1599.75	1610.66	1616.75	1592.06	1614.40	1635.55	1641.66	1638.66	1635.74	1645.42
42	1571.77	1583.03	1588.74	1563.93	1586.75	1608.29	1613.74	1612.00	1608.54	1619.24
43	1542.83	1554.66	1560.25	1536.05	1558.30	1580.52	1586.03	1585.28	1581.31	1590.65
44	1514.33	1525.87	1531.13	1507.92	1529.01	1551.66	1557.44	1556.73	1552.26	1562.85
45	1483.43	1496.00	1501.60	1478.47	1500.23	1522.82	1527.93	1527.98	1523.29	1533.36
46	1453.43	1466.30	1472.22	1447.90	1469.79	1493.48	1498.32	1498.44	1493.75	1504.17
47	1421.89	1435.98	1440.09	1417.52	1439.42	1462.69	1468.38	1468.56	1462.88	1473.90
48	1391.13	1405.35	1409.63	1387.87	1409.18	1432.23	1437.60	1438.16	1431.99	1443.42
49	1358.59	1373.11	1378.01	1356.57	1378.37	1401.29	1406.56	1406.94	1400.95	1412.05
50	1326.60	1340.78	1345.69	1324.98	1346.68	1369.57	1375.07	1375.94	1369.25	1379.82
51	1293.42	1308.52	1312.50	1293.50	1314.17	1337.47	1343.43	1343.27	1337.37	1347.67
52	1259.75	1276.11	1280.35	1261.34	1281.71	1304.28	1310.08	1310.73	1304.14	1315.20
53	1226.49	1242.28	1247.22	1228.66	1248.51	1272.14	1277.47	1277.51	1271.35	1281.40

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54	1192.55	1208.65	1213.40	1195.35	1215.42	1238.58	1243.70	1244.18	1237.24	1247.95
55	1158.64	1174.27	1178.90	1161.41	1182.14	1204.28	1209.79	1210.59	1203.56	1213.73
56	1123.86	1139.73	1143.82	1127.99	1147.84	1169.90	1175.28	1176.18	1168.62	1178.91
57	1089.03	1104.67	1109.14	1093.69	1113.87	1135.74	1140.77	1141.07	1134.39	1144.28
58	1053.34	1069.16	1073.60	1059.27	1079.64	1099.78	1106.06	1106.72	1098.97	1109.01
59	1018.00	1033.41	1037.54	1023.77	1044.69	1065.00	1070.99	1071.23	1064.04	1073.17
60	982.31	997.51	1002.22	989.40	1009.49	1029.32	1035.08	1035.74	1028.34	1037.09
61	945.92	961.65	966.06	954.51	973.64	993.78	999.41	999.44	992.39	1001.08
62	909.80	925.05	930.84	920.29	938.98	958.17	963.29	964.13	957.04	964.43
63	872.03	889.27	895.02	886.08	903.07	921.38	927.21	927.38	920.57	927.69
64	837.62	853.50	859.17	850.47	866.79	884.87	890.48	890.99	884.25	891.23
65	803.26	817.74	823.47	815.32	831.15	848.44	853.80	854.48	847.97	854.30
66	766.92	781.20	786.21	778.79	794.19	812.14	817.08	817.77	811.14	817.24
67	730.16	744.16	749.33	743.16	758.28	775.72	780.14	780.91	774.57	779.91
68	693.98	707.39	712.53	706.75	722.14	738.70	743.45	744.12	737.53	743.19
69	657.21	670.61	675.97	670.90	686.56	702.43	707.08	707.16	701.34	706.07
70	620.73	633.48	639.13	634.44	650.10	665.57	669.71	670.26	664.75	668.62
71	584.65	597.04	602.74	599.14	614.03	628.99	633.48	634.02	627.87	631.87
72	548.77	560.49	566.61	563.09	578.23	592.61	596.80	597.50	591.97	594.80
73	512.54	524.21	529.72	527.41	542.37	556.26	560.71	561.38	555.51	558.28
74	477.33	488.44	493.98	492.90	507.11	520.29	524.96	524.99	519.71	522.12
75	441.84	452.51	458.57	457.15	472.16	484.55	488.69	489.44	484.17	486.20
76	406.78	417.31	423.42	422.83	437.06	448.85	453.15	453.48	449.06	450.39
77	371.89	382.37	388.37	388.31	401.59	413.29	417.53	418.51	413.91	414.82
78	337.64	347.58	353.92	354.42	367.14	378.71	383.07	383.71	379.08	379.93
79	304.19	313.13	319.69	320.09	332.38	344.22	348.23	348.94	344.84	345.09
80	270.34	279.30	285.89	286.24	298.03	309.00	314.46	314.55	310.67	310.53
81	237.86	245.80	252.52	252.46	263.93	274.68	281.25	280.99	277.39	277.11
82	205.20	212.93	218.74	218.48	230.22	240.08	247.44	247.86	244.47	243.95
83	174.10	181.27	185.60	185.80	196.47	205.94	214.15	215.31	211.87	211.12
84	142.79	149.79	152.70	153.12	163.59	172.57	180.66	183.04	179.99	178.86
85	112.55	117.90	120.01	121.60	131.67	140.17	147.75	151.54	148.69	147.00
86	82.69	87.23	88.63	91.47	100.62	108.55	115.32	120.36	118.03	115.88
87	54.64	56.74	59.05	62.04	71.46	78.27	84.19	89.51	88.49	84.95
88	27.63	28.68	30.78	34.48	43.07	49.05	54.57	58.97	59.06	54.80
89	6.25	7.07	8.93	12.26	18.98	23.29	26.95	31.00	32.24	27.13
90	0.91	0.92	0.75	0.98	3.05	20.02	7.33	8.72	8.95	21.87
91	0.76	0.97	0.49	0.43	2.67	16.76	6.36	0.76	0.79	16.61
92	0.76	1.01	0.46	0.41	2.29	13.49	5.40	0.74	0.76	11.35
93	0.81	1.06	0.46	0.36	1.91	10.22	4.43	0.74	0.81	6.09
94	0.84	1.11	0.47	0.33	1.53	6.95	3.46	0.77	0.84	0.83
95	1.00	1.16	0.47	0.35	1.15	5.65	2.50	0.82	0.87	0.89
96	1.13	1.19	0.48	0.30	0.77	4.35	1.53	0.87	0.95	0.94
97	1.19	1.27	0.49	0.32	0.39	3.06	0.56	0.90	1.00	1.00
98	1.30	1.30	0.50	0.33	0.44	1.76	0.59	0.98	1.09	1.13
99	1.35	1.33	0.51	0.34	0.44	0.47	0.62	1.07	1.22	1.19
100	1.38	1.41	0.51	0.34	0.47	0.50	0.65	1.17	1.33	1.27
101	1.41	1.39	0.52	0.35	0.50	0.52	0.62	1.23	1.39	1.38
102	1.40	1.37	0.53	0.35	0.50	0.55	0.67	1.37	1.49	1.39
103	1.39	1.36	0.54	0.35	0.56	0.58	0.70	1.39	1.60	1.40
104	1.38	1.34	0.54	0.35	0.59	0.64	0.76	1.50	1.68	1.40
105	1.37	1.32	0.60	0.35	0.62	0.67	0.82	1.52	1.82	1.41
106	1.36	1.31	0.72	0.35	0.65	0.67	0.87	1.54	1.83	1.42
107	1.35	1.29	0.75	0.35	0.68	0.70	0.90	1.56	1.85	1.42
108	1.34	1.27	0.77	0.36	0.71	0.73	0.96	1.58	1.86	1.43
109	1.33	1.22	0.80	0.36	0.83	0.79	1.01	1.59	1.88	1.44

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CANDELA TABULATION - (Cont.)

110	1.27	1.16	0.83	0.37	0.80	0.82	1.07	1.61	1.90	1.44
111	1.22	1.13	0.86	0.37	0.86	0.84	1.12	1.63	1.84	1.45
112	1.19	1.05	0.89	0.38	0.88	0.87	1.21	1.65	1.76	1.46
113	1.14	0.94	0.92	0.38	0.89	0.87	1.20	1.66	1.71	1.46
114	1.06	0.86	0.95	0.38	0.91	0.93	1.20	1.47	1.68	1.41
115	1.00	0.72	1.00	0.47	0.93	0.96	1.19	1.28	1.62	1.38
116	0.87	0.53	1.00	0.56	0.95	0.99	1.18	1.23	1.57	1.27
117	0.81	0.39	0.99	0.56	1.00	1.00	1.18	1.23	1.49	1.22
118	0.65	0.36	0.98	0.57	0.98	1.01	1.17	0.98	1.35	1.10
119	0.52	0.33	0.97	0.58	0.98	1.02	1.17	0.76	1.24	0.94
120	0.50	0.33	0.97	0.58	1.03	1.03	1.16	0.68	1.11	0.77
121	0.49	0.34	0.96	0.59	1.01	1.04	1.15	0.65	1.00	0.63
122	0.47	0.34	0.95	0.59	1.03	1.05	1.15	0.63	0.81	0.61
123	0.45	0.35	0.94	0.60	1.01	1.02	1.14	0.60	0.70	0.60
124	0.44	0.35	0.92	0.61	1.09	1.08	1.14	0.58	0.60	0.58
125	0.42	0.35	0.91	0.61	1.09	1.08	1.13	0.55	0.49	0.57
126	0.43	0.36	0.90	0.62	1.13	1.14	1.12	0.53	0.49	0.55
127	0.43	0.36	0.89	0.68	1.21	1.14	1.12	0.50	0.49	0.53
128	0.43	0.37	0.87	0.70	1.22	1.15	1.11	0.48	0.49	0.52
129	0.43	0.37	0.86	0.73	1.23	1.15	1.11	0.46	0.49	0.50
130	0.44	0.38	0.83	0.75	1.24	1.15	1.10	0.43	0.50	0.49
131	0.44	0.38	0.86	0.78	1.25	1.16	1.09	0.41	0.50	0.47
132	0.44	0.39	0.83	0.80	1.25	1.16	0.95	0.38	0.50	0.45
133	0.44	0.39	0.80	0.83	1.26	1.17	0.84	0.36	0.50	0.44
134	0.45	0.40	0.77	0.85	1.27	1.17	0.82	0.38	0.50	0.42
135	0.45	0.40	0.75	0.85	1.28	1.18	0.82	0.38	0.51	0.41
136	0.45	0.41	0.69	0.85	1.29	1.18	0.82	0.44	0.51	0.39
137	0.46	0.41	0.69	0.85	1.29	1.19	0.82	0.44	0.51	0.38
138	0.46	0.42	0.63	0.85	1.30	1.19	0.82	0.46	0.51	0.36
139	0.46	0.42	0.60	0.85	1.30	1.19	0.82	0.44	0.51	0.36
140	0.46	0.43	0.57	0.84	1.31	1.20	0.83	0.49	0.52	0.41
141	0.47	0.43	0.55	0.84	1.31	1.20	0.83	0.49	0.57	0.42
142	0.47	0.44	0.49	0.84	1.31	1.21	0.83	0.52	0.54	0.44
143	0.47	0.44	0.49	0.84	1.32	1.21	0.83	0.55	0.60	0.44
144	0.48	0.45	0.52	0.84	1.32	1.22	0.83	0.52	0.61	0.47
145	0.48	0.45	0.51	0.83	1.33	1.22	0.84	0.55	0.63	0.50
146	0.48	0.46	0.51	0.83	1.33	1.22	0.84	0.57	0.64	0.50
147	0.48	0.46	0.51	0.83	1.34	1.23	0.84	0.60	0.66	0.55
148	0.49	0.47	0.51	0.83	1.34	1.24	0.85	0.63	0.68	0.55
149	0.46	0.47	0.50	0.83	1.34	1.25	0.85	0.65	0.68	0.58
150	0.49	0.47	0.50	0.83	1.35	1.26	0.86	0.63	0.73	0.61
151	0.49	0.50	0.50	0.80	1.35	1.26	0.87	0.66	0.73	0.61
152	0.51	0.54	0.50	0.81	1.36	1.27	0.87	0.66	0.79	0.64
153	0.54	0.57	0.50	0.82	1.37	1.28	0.93	0.68	0.79	0.69
154	0.65	0.60	0.49	0.83	1.37	1.25	0.94	0.70	0.80	0.69
155	0.65	0.64	0.49	0.85	1.38	1.28	0.96	0.72	0.80	0.72
156	0.70	0.72	0.49	0.86	1.39	1.31	0.98	0.73	0.81	0.75
157	0.71	0.69	0.49	0.87	1.39	1.32	0.99	0.73	0.82	0.77
158	0.72	0.69	0.54	0.88	1.45	1.32	1.01	0.73	0.83	0.80
159	0.72	0.70	0.52	0.89	1.45	1.33	1.04	0.73	0.84	0.83
160	0.73	0.71	0.52	0.91	1.45	1.33	1.15	0.73	0.86	0.83
161	0.74	0.71	0.66	0.92	1.46	1.34	1.15	0.73	0.87	0.83
162	0.74	0.72	0.77	0.93	1.46	1.34	1.18	0.73	0.87	0.84
163	0.75	0.73	0.78	0.94	1.46	1.35	1.24	0.73	0.87	0.84
164	0.76	0.73	0.78	1.18	1.46	1.36	1.24	0.74	0.87	0.84
165	0.76	0.74	0.79	1.24	1.47	1.36	1.24	0.74	0.87	0.85

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CANDELA TABULATION - (Cont.)

166	0.77	0.75	0.79	1.25	1.47	1.37	1.25	0.74	0.87	0.85
167	0.78	0.77	0.79	1.25	1.47	1.37	1.25	0.74	0.87	0.85
168	0.79	0.83	0.80	1.26	1.47	1.38	1.26	0.74	0.87	0.86
169	0.81	0.83	0.80	1.27	1.47	1.39	1.26	0.74	0.87	0.86
170	0.84	0.82	0.80	1.28	1.47	1.39	1.26	0.74	0.87	0.86
171	0.89	0.82	0.80	1.28	1.48	1.40	1.27	0.74	0.87	0.87
172	0.89	0.82	0.79	1.29	1.48	1.40	1.27	0.74	0.87	0.87
173	0.88	0.81	0.79	1.30	1.48	1.41	1.28	0.74	0.87	0.87
174	0.88	0.81	0.79	1.30	1.48	1.41	1.28	0.74	0.87	0.88
175	0.88	0.81	0.78	1.31	1.48	1.42	1.29	0.74	0.87	0.88
176	0.87	0.80	0.78	1.32	1.48	1.43	1.29	0.74	0.87	0.88
177	0.87	0.80	0.77	1.33	1.48	1.37	1.24	0.74	0.87	0.88
178	0.87	0.80	0.77	1.33	1.48	1.37	1.24	0.74	0.87	0.88
179	0.87	0.80	0.77	1.33	1.48	1.34	1.24	0.74	0.87	0.88
180	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87

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	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18	2190.18
1	2190.80	2190.81	2189.83	2189.56	2189.26	2189.30	2188.17
2	2190.16	2190.45	2187.29	2187.96	2187.12	2188.11	2186.63
3	2188.23	2187.55	2184.99	2185.09	2184.91	2185.98	2184.84
4	2186.69	2186.88	2180.78	2182.50	2181.83	2183.02	2182.20
5	2184.47	2183.92	2178.09	2177.49	2177.59	2178.51	2179.14
6	2180.98	2180.31	2173.28	2172.58	2173.14	2174.89	2174.75
7	2177.49	2175.72	2167.34	2168.78	2168.92	2169.78	2170.26
8	2172.41	2170.61	2161.26	2162.35	2162.67	2164.42	2164.59
9	2167.52	2165.55	2153.74	2155.26	2155.92	2158.59	2158.84
10	2160.98	2158.16	2146.19	2147.19	2149.62	2151.29	2152.03
11	2155.65	2150.56	2137.92	2139.28	2141.82	2143.93	2144.97
12	2148.17	2143.48	2128.26	2130.75	2133.67	2135.17	2136.50
13	2140.38	2134.17	2118.96	2120.06	2124.02	2125.71	2127.87
14	2132.05	2125.35	2107.16	2109.65	2113.63	2115.30	2118.24
15	2123.43	2115.55	2096.19	2098.59	2104.00	2105.12	2107.49
16	2113.94	2104.44	2083.73	2087.01	2092.50	2093.40	2096.87
17	2103.88	2092.75	2071.22	2074.57	2080.76	2082.17	2085.19
18	2091.61	2080.73	2057.40	2060.32	2067.29	2069.29	2072.57
19	2080.23	2068.34	2043.21	2047.04	2055.03	2055.98	2060.20
20	2067.44	2054.60	2027.76	2032.44	2040.93	2042.19	2047.25
21	2054.00	2040.42	2013.02	2016.71	2025.81	2027.43	2032.83
22	2040.68	2025.20	1995.28	2000.75	2010.30	2012.28	2017.65
23	2026.48	2010.20	1978.66	1984.67	1994.56	1995.54	2002.14
24	2011.34	1994.00	1961.73	1967.06	1977.20	1979.22	1984.65
25	1994.93	1977.11	1943.60	1949.19	1960.67	1961.77	1967.97
26	1978.68	1959.11	1923.81	1931.62	1942.46	1944.02	1950.29
27	1962.33	1941.71	1904.64	1911.28	1924.09	1925.24	1931.41
28	1943.82	1922.66	1884.03	1891.50	1904.28	1905.88	1911.82
29	1926.00	1902.64	1862.37	1870.84	1883.70	1886.27	1893.25
30	1905.96	1882.97	1840.32	1849.78	1863.25	1864.92	1871.07
31	1886.98	1862.63	1818.40	1828.02	1841.22	1843.50	1849.45
32	1865.56	1840.80	1796.53	1805.62	1819.44	1821.68	1827.91
33	1843.79	1818.49	1771.92	1782.75	1796.32	1799.97	1805.17
34	1821.93	1796.40	1748.27	1759.47	1773.66	1776.96	1781.81
35	1799.74	1772.85	1723.47	1735.75	1749.21	1752.25	1757.07
36	1776.37	1749.29	1699.36	1710.48	1724.74	1728.08	1732.65

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CANDELA TABULATION - (Cont.)

37	1752.81	1725.70	1673.25	1684.88	1699.11	1703.36	1707.45
38	1727.47	1700.48	1647.09	1659.84	1674.15	1677.48	1681.79
39	1702.13	1674.71	1620.61	1634.05	1647.91	1651.49	1654.72
40	1676.77	1648.28	1594.34	1606.65	1619.87	1624.50	1627.49
41	1650.52	1621.48	1565.84	1579.27	1592.63	1596.91	1599.75
42	1622.76	1594.16	1537.51	1551.38	1564.27	1569.61	1571.77
43	1594.49	1565.33	1509.88	1523.16	1535.57	1541.44	1542.83
44	1565.21	1536.73	1480.62	1494.01	1507.04	1511.19	1514.33
45	1536.51	1508.05	1450.99	1464.83	1477.26	1482.20	1483.43
46	1506.14	1477.70	1420.08	1434.63	1447.15	1451.46	1453.43
47	1475.63	1448.16	1389.93	1404.49	1416.43	1421.26	1421.89
48	1444.83	1417.06	1359.74	1374.52	1384.99	1390.70	1391.13
49	1412.90	1386.95	1328.08	1343.18	1353.25	1358.33	1358.59
50	1380.97	1354.89	1296.14	1310.56	1321.57	1326.40	1326.60
51	1348.05	1322.66	1264.43	1279.23	1289.45	1292.97	1293.42
52	1315.51	1289.61	1232.41	1246.83	1256.19	1260.41	1259.75
53	1281.53	1256.44	1199.74	1213.95	1222.67	1226.98	1226.49
54	1247.58	1222.82	1166.46	1180.21	1188.80	1193.98	1192.55
55	1213.25	1188.80	1132.74	1146.04	1155.50	1158.91	1158.64
56	1178.46	1154.94	1098.92	1112.11	1120.83	1124.20	1123.86
57	1143.45	1119.75	1065.15	1077.24	1085.64	1089.45	1089.03
58	1107.66	1084.84	1030.45	1043.15	1050.77	1054.47	1053.34
59	1071.82	1049.61	995.67	1007.78	1015.59	1018.57	1018.00
60	1035.81	1013.59	961.00	972.55	978.85	982.79	982.31
61	999.38	978.06	927.24	936.82	943.18	946.69	945.92
62	962.73	942.18	893.50	902.82	906.15	910.51	909.80
63	925.74	905.52	858.76	868.85	871.67	875.10	872.03
64	888.34	869.32	823.46	833.78	837.26	839.69	837.62
65	851.60	833.20	788.27	797.47	801.21	804.29	803.26
66	814.21	796.31	752.62	761.32	764.46	767.20	766.92
67	776.65	759.54	717.43	725.66	728.18	730.92	730.16
68	739.72	722.69	681.93	689.55	691.45	694.19	693.98
69	702.28	686.35	646.40	653.14	655.24	657.83	657.21
70	665.05	649.51	610.69	617.10	618.39	620.89	620.73
71	627.78	612.87	575.32	582.08	582.45	585.17	584.65
72	591.05	576.63	540.22	546.01	546.45	548.70	548.77
73	554.47	540.20	504.98	510.45	510.63	512.78	512.54
74	517.79	504.43	470.44	474.99	475.22	477.28	477.33
75	481.67	468.90	436.40	440.13	440.14	441.46	441.84
76	445.57	433.35	402.54	405.48	405.66	406.65	406.78
77	410.02	398.26	369.26	371.67	371.44	371.80	371.89
78	375.43	363.55	336.21	337.60	337.19	337.74	337.64
79	340.69	329.22	303.29	304.35	303.66	303.73	304.19
80	306.64	295.40	270.92	271.36	270.83	270.10	270.34
81	272.87	261.86	239.05	239.31	238.16	237.50	237.86
82	239.57	228.93	207.66	207.16	205.63	205.27	205.20
83	206.50	196.03	176.52	175.50	174.09	173.22	174.10
84	173.90	164.10	145.99	144.44	142.71	142.48	142.79
85	141.33	131.68	115.49	113.39	111.42	111.78	112.55
86	109.42	100.38	85.88	82.70	80.81	81.49	82.69
87	77.98	69.62	57.55	53.53	51.00	52.29	54.64
88	47.94	40.25	31.04	26.96	23.99	24.47	27.63
89	20.76	16.62	10.66	7.77	5.96	5.29	6.25
90	4.45	13.92	0.76	0.69	0.60	0.98	0.91
91	0.60	11.23	0.39	0.41	0.45	0.85	0.76
92	0.57	8.54	0.36	0.38	0.44	0.82	0.76

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CANDELA TABULATION - (Cont.)

93	0.57	5.85	0.30	0.32	0.43	0.85	0.81
94	0.60	3.16	0.30	0.32	0.42	0.95	0.84
95	0.58	0.47	0.33	0.32	0.43	1.17	1.00
96	0.63	0.44	0.30	0.32	0.44	1.17	1.13
97	0.66	0.44	0.30	0.32	0.45	1.26	1.19
98	0.66	0.50	0.30	0.32	0.46	1.28	1.30
99	0.75	0.50	0.30	0.32	0.47	1.28	1.35
100	0.78	0.53	0.31	0.32	0.48	1.28	1.38
101	0.81	0.59	0.31	0.32	0.49	1.28	1.41
102	0.89	0.62	0.31	0.32	0.50	1.28	1.40
103	0.95	0.68	0.32	0.32	0.51	1.28	1.39
104	0.98	0.71	0.32	0.32	0.59	1.28	1.38
105	1.06	0.71	0.32	0.32	0.73	1.28	1.37
106	1.15	0.74	0.32	0.32	0.76	1.28	1.36
107	1.18	0.83	0.33	0.35	0.79	1.28	1.35
108	1.26	0.83	0.34	0.35	0.76	1.28	1.34
109	1.27	0.89	0.35	0.38	0.78	1.20	1.33
110	1.27	0.91	0.36	0.46	0.81	1.20	1.27
111	1.27	0.95	0.37	0.47	0.83	1.12	1.22
112	1.28	1.00	0.38	0.48	0.85	1.04	1.19
113	1.28	1.03	0.39	0.49	0.88	0.93	1.14
114	1.28	1.03	0.40	0.50	0.90	0.82	1.06
115	1.29	1.06	0.40	0.51	0.89	0.69	1.00
116	1.29	1.09	0.41	0.52	0.89	0.50	0.87
117	1.29	1.12	0.41	0.53	0.88	0.33	0.81
118	1.30	1.15	0.42	0.54	0.88	0.30	0.65
119	1.30	1.18	0.42	0.56	0.87	0.30	0.52
120	1.30	1.21	0.42	0.57	0.87	0.27	0.50
121	1.31	1.27	0.43	0.58	0.86	0.30	0.49
122	1.31	1.24	0.43	0.59	0.85	0.25	0.47
123	1.31	1.27	0.44	0.60	0.85	0.25	0.45
124	1.31	1.27	0.44	0.61	0.84	0.25	0.44
125	1.30	1.27	0.50	0.67	0.84	0.25	0.42
126	1.29	1.26	0.50	0.70	0.83	0.25	0.43
127	1.29	1.26	0.56	0.76	0.83	0.25	0.43
128	1.28	1.26	0.56	0.82	0.82	0.25	0.43
129	1.27	1.26	0.62	0.81	0.81	0.25	0.43
130	1.27	1.26	0.71	0.81	0.79	0.25	0.44
131	1.26	1.26	0.71	0.81	0.73	0.25	0.44
132	1.26	1.25	0.74	0.81	0.68	0.25	0.44
133	1.23	1.25	0.74	0.80	0.65	0.25	0.44
134	1.26	1.25	0.74	0.80	0.56	0.25	0.45
135	1.00	1.25	0.74	0.80	0.56	0.25	0.45
136	0.89	1.25	0.74	0.80	0.45	0.27	0.45
137	0.80	1.25	0.74	0.80	0.42	0.27	0.46
138	0.79	1.24	0.74	0.79	0.42	0.30	0.46
139	0.77	1.24	0.74	0.79	0.40	0.35	0.46
140	0.75	1.24	0.74	0.79	0.39	0.35	0.46
141	0.73	1.24	0.74	0.79	0.37	0.35	0.47
142	0.71	1.23	0.74	0.79	0.35	0.34	0.47
143	0.70	1.21	0.74	0.73	0.34	0.34	0.47
144	0.68	1.20	0.74	0.70	0.31	0.34	0.48
145	0.67	1.19	0.74	0.67	0.31	0.33	0.48
146	0.65	1.18	0.74	0.64	0.31	0.33	0.48
147	0.64	1.12	0.74	0.64	0.31	0.35	0.48
148	0.62	1.09	0.74	0.65	0.31	0.41	0.49

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CANDELA TABULATION - (Cont.)

149	0.61	1.06	0.74	0.65	0.31	0.44	0.46
150	0.59	0.97	0.74	0.66	0.32	0.41	0.49
151	0.58	0.94	0.74	0.66	0.33	0.46	0.49
152	0.56	0.91	0.77	0.67	0.34	0.49	0.51
153	0.54	0.89	0.76	0.67	0.35	0.46	0.54
154	0.52	0.86	0.76	0.68	0.36	0.55	0.65
155	0.55	0.83	0.75	0.68	0.36	0.56	0.65
156	0.60	0.86	0.74	0.69	0.37	0.57	0.70
157	0.63	0.83	0.74	0.69	0.38	0.58	0.71
158	0.63	0.83	0.73	0.70	0.38	0.59	0.72
159	0.66	0.85	0.72	0.71	0.39	0.60	0.72
160	0.66	0.85	0.72	0.71	0.40	0.62	0.73
161	0.69	0.85	0.71	0.72	0.40	0.63	0.74
162	0.72	0.84	0.77	0.72	0.41	0.65	0.74
163	0.75	0.84	0.92	0.73	0.41	0.68	0.75
164	0.78	0.84	1.09	0.76	0.42	0.74	0.76
165	0.83	0.84	1.18	0.84	0.50	0.74	0.76
166	0.83	0.83	1.27	0.87	0.51	0.74	0.77
167	0.83	0.83	1.24	0.93	0.62	0.74	0.78
168	0.83	0.83	1.25	1.02	0.67	0.74	0.79
169	0.83	0.82	1.26	1.08	0.67	0.74	0.81
170	0.83	0.82	1.27	1.08	0.73	0.75	0.84
171	0.83	0.82	1.28	1.22	0.73	0.76	0.89
172	0.83	0.81	1.29	1.22	0.74	0.77	0.89
173	0.83	0.81	1.30	1.23	0.74	0.78	0.88
174	0.83	0.81	1.30	1.25	0.75	0.80	0.88
175	0.83	0.80	1.33	1.26	0.75	0.81	0.88
176	0.83	0.80	1.33	1.27	0.75	0.82	0.87
177	0.83	0.80	1.33	1.28	0.76	0.90	0.87
178	0.83	0.80	1.36	1.28	0.76	0.87	0.87
179	0.83	0.80	1.36	1.28	0.76	0.87	0.87
180	0.87	0.87	0.87	0.87	0.87	0.87	0.87

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	803.79	N.A.	12.40
0-30	1713.6	N.A.	26.40
0-40	2819.62	N.A.	43.40
0-60	5031.77	N.A.	77.50
0-80	6339.75	N.A.	97.70
0-90	6485.21	N.A.	99.90
10-90	6277.78	N.A.	96.70
20-40	2015.83	N.A.	31.10
20-50	3173.14	N.A.	48.90
40-70	3029.37	N.A.	46.70
60-80	1307.98	N.A.	20.10
70-80	490.77	N.A.	7.60
80-90	145.45	N.A.	2.20
90-110	2.97	N.A.	0.00
90-120	3.91	N.A.	0.10
90-130	4.60	N.A.	0.10
90-150	5.61	N.A.	0.10
90-180	6.32	N.A.	0.10
110-180	3.34	N.A.	0.10
0-180	6491.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	207.42
10-20	596.36
20-30	909.81
30-40	1106.02
40-50	1157.31
50-60	1054.84
60-70	817.21
70-80	490.77
80-90	145.45
90-100	2.00
100-110	0.97
110-120	0.94
120-130	0.69
130-140	0.57
140-150	0.44
150-160	0.35
160-170	0.26
170-180	0.10

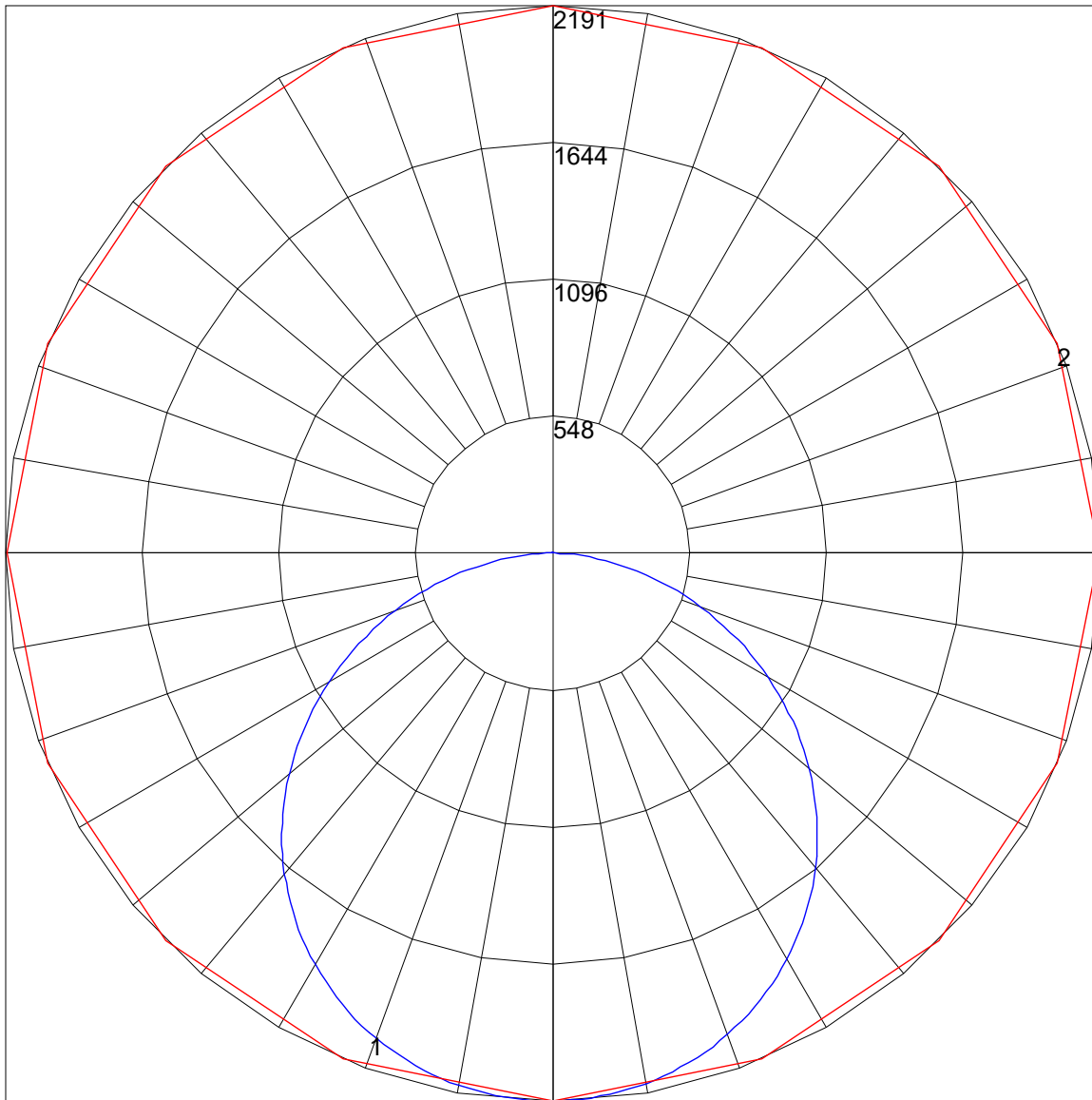
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FPB 24 HI UV FR 840.IES

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	81	76	84	79	74	81	76	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	62	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 = 2191.36 Located At Horizontal Angle = 202.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (202.5 - 22.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)