



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 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 14:50:41

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC

[LUMINAIRE] FPB 14 MD UV FR 840

[OTHER]

| [OTHER] | Gamma(deg) | Fz(lm) | Ft(lm) | %Lum | %Lamp |
|---------|------------|--------|--------|------|-------|
|---------|------------|--------|--------|------|-------|

|         |       |        |        |      |      |
|---------|-------|--------|--------|------|------|
| [OTHER] | 0- 10 | 118.54 | 118.54 | 3.20 | 3.20 |
|---------|-------|--------|--------|------|------|

|         |        |        |        |       |       |
|---------|--------|--------|--------|-------|-------|
| [OTHER] | 10- 20 | 340.81 | 459.35 | 12.40 | 12.40 |
|---------|--------|--------|--------|-------|-------|

|         |        |        |        |       |       |
|---------|--------|--------|--------|-------|-------|
| [OTHER] | 20- 30 | 519.98 | 979.33 | 26.43 | 26.43 |
|---------|--------|--------|--------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 30- 40 | 632.19 | 1611.51 | 43.49 | 43.49 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 40- 50 | 661.61 | 2273.12 | 61.34 | 61.34 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 50- 60 | 603.48 | 2876.60 | 77.63 | 77.63 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 60- 70 | 466.71 | 3343.32 | 90.22 | 90.22 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 70- 80 | 277.46 | 3620.78 | 97.71 | 97.71 |
|---------|--------|--------|---------|-------|-------|

|         |        |       |         |       |       |
|---------|--------|-------|---------|-------|-------|
| [OTHER] | 80- 90 | 81.52 | 3702.30 | 99.91 | 99.91 |
|---------|--------|-------|---------|-------|-------|

|         |        |      |         |       |       |
|---------|--------|------|---------|-------|-------|
| [OTHER] | 90-100 | 0.24 | 3702.54 | 99.91 | 99.91 |
|---------|--------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 100-110 | 0.39 | 3702.92 | 99.93 | 99.93 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 110-120 | 0.46 | 3703.38 | 99.94 | 99.94 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 120-130 | 0.45 | 3703.83 | 99.95 | 99.95 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 130-140 | 0.51 | 3704.34 | 99.96 | 99.96 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 140-150 | 0.50 | 3704.84 | 99.98 | 99.98 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 150-160 | 0.43 | 3705.26 | 99.99 | 99.99 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |        |        |
|---------|---------|------|---------|--------|--------|
| [OTHER] | 160-170 | 0.31 | 3705.57 | 100.00 | 100.00 |
|---------|---------|------|---------|--------|--------|

|         |         |      |         |        |        |
|---------|---------|------|---------|--------|--------|
| [OTHER] | 170-180 | 0.12 | 3705.69 | 100.00 | 100.00 |
|---------|---------|------|---------|--------|--------|

[OTHER]

**IES INDOOR REPORT**  
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**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 3706            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 129             |
| 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<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 3580             | 3663              | 3615              |
| 55                  | 3455             | 3552              | 3505              |
| 65                  | 3250             | 3354              | 3318              |
| 75                  | 2896             | 3010              | 3020              |
| 85                  | 2133             | 2344              | 2552              |

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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  | 1251.68    | 1251.68     | 1251.68     | 1251.68     | 1251.68     | 1251.68      | 1251.68      | 1251.68      | 1251.68      | 1251.68      |
| 1  | 1251.35    | 1251.19     | 1251.41     | 1251.52     | 1251.99     | 1251.45      | 1251.55      | 1252.07      | 1251.63      | 1251.81      |
| 2  | 1250.27    | 1250.73     | 1250.19     | 1250.51     | 1251.40     | 1250.84      | 1251.41      | 1251.30      | 1250.91      | 1251.60      |
| 3  | 1248.90    | 1249.66     | 1249.39     | 1248.94     | 1250.34     | 1250.08      | 1250.82      | 1250.42      | 1250.21      | 1250.98      |
| 4  | 1247.88    | 1247.76     | 1247.67     | 1247.33     | 1249.28     | 1248.96      | 1249.58      | 1249.30      | 1248.77      | 1249.76      |
| 5  | 1245.62    | 1246.19     | 1245.83     | 1245.20     | 1247.66     | 1247.49      | 1248.29      | 1247.85      | 1247.33      | 1248.33      |
| 6  | 1243.17    | 1243.99     | 1243.43     | 1242.83     | 1245.31     | 1245.16      | 1246.85      | 1246.00      | 1245.18      | 1246.42      |
| 7  | 1240.45    | 1241.34     | 1240.72     | 1239.65     | 1242.79     | 1242.75      | 1244.58      | 1243.61      | 1242.52      | 1244.42      |
| 8  | 1236.85    | 1238.18     | 1237.48     | 1235.70     | 1239.88     | 1240.30      | 1241.91      | 1240.84      | 1240.14      | 1241.91      |
| 9  | 1232.98    | 1234.62     | 1234.40     | 1232.18     | 1236.46     | 1237.50      | 1239.29      | 1237.78      | 1236.55      | 1238.81      |
| 10 | 1228.90    | 1230.98     | 1230.14     | 1227.94     | 1232.58     | 1233.69      | 1236.26      | 1234.13      | 1233.14      | 1235.52      |
| 11 | 1224.65    | 1227.22     | 1225.88     | 1223.07     | 1228.46     | 1229.27      | 1232.62      | 1229.80      | 1228.66      | 1232.16      |
| 12 | 1219.80    | 1222.67     | 1221.94     | 1217.86     | 1224.03     | 1224.80      | 1228.77      | 1225.93      | 1224.72      | 1227.97      |
| 13 | 1214.28    | 1217.61     | 1216.76     | 1212.52     | 1218.82     | 1220.61      | 1224.42      | 1220.57      | 1219.29      | 1223.50      |
| 14 | 1208.89    | 1212.16     | 1211.38     | 1206.74     | 1213.57     | 1215.34      | 1219.87      | 1215.89      | 1214.11      | 1218.83      |
| 15 | 1202.82    | 1206.27     | 1205.37     | 1200.30     | 1207.13     | 1209.33      | 1214.64      | 1209.90      | 1208.49      | 1213.65      |
| 16 | 1196.14    | 1200.45     | 1199.80     | 1193.60     | 1200.95     | 1203.74      | 1209.30      | 1204.09      | 1202.46      | 1207.80      |
| 17 | 1189.11    | 1193.90     | 1193.63     | 1186.61     | 1194.19     | 1196.84      | 1203.24      | 1197.48      | 1195.87      | 1201.94      |
| 18 | 1181.57    | 1187.12     | 1186.52     | 1179.28     | 1186.92     | 1189.94      | 1196.88      | 1190.48      | 1189.36      | 1195.47      |
| 19 | 1173.70    | 1179.67     | 1179.05     | 1171.53     | 1179.87     | 1182.64      | 1190.31      | 1183.69      | 1181.77      | 1188.94      |
| 20 | 1165.86    | 1171.93     | 1172.44     | 1162.95     | 1172.01     | 1175.32      | 1183.37      | 1176.06      | 1174.60      | 1181.37      |
| 21 | 1157.53    | 1163.82     | 1164.06     | 1154.45     | 1163.45     | 1167.48      | 1176.01      | 1168.01      | 1166.44      | 1173.73      |
| 22 | 1148.74    | 1155.14     | 1156.02     | 1145.47     | 1154.68     | 1158.78      | 1168.28      | 1159.34      | 1157.98      | 1165.91      |
| 23 | 1139.32    | 1146.53     | 1147.09     | 1136.00     | 1145.99     | 1149.94      | 1159.85      | 1150.40      | 1149.04      | 1157.42      |
| 24 | 1129.93    | 1136.82     | 1138.06     | 1125.99     | 1136.25     | 1141.01      | 1151.31      | 1141.25      | 1140.02      | 1148.63      |
| 25 | 1119.83    | 1126.97     | 1128.91     | 1115.78     | 1126.44     | 1131.60      | 1142.52      | 1131.66      | 1130.55      | 1139.16      |
| 26 | 1108.96    | 1116.54     | 1118.82     | 1105.33     | 1116.32     | 1121.77      | 1132.97      | 1121.59      | 1120.33      | 1129.28      |
| 27 | 1098.31    | 1106.02     | 1109.18     | 1094.43     | 1105.75     | 1111.65      | 1123.27      | 1111.49      | 1110.26      | 1119.18      |
| 28 | 1087.02    | 1094.83     | 1098.40     | 1083.03     | 1094.80     | 1100.98      | 1112.83      | 1100.58      | 1099.51      | 1108.82      |
| 29 | 1075.85    | 1083.71     | 1087.54     | 1071.74     | 1083.22     | 1089.48      | 1102.44      | 1089.44      | 1088.22      | 1097.63      |
| 30 | 1063.84    | 1071.95     | 1076.01     | 1059.30     | 1071.30     | 1078.40      | 1091.01      | 1078.03      | 1077.15      | 1086.32      |
| 31 | 1051.22    | 1059.81     | 1065.22     | 1047.34     | 1059.52     | 1066.47      | 1079.93      | 1066.12      | 1064.93      | 1074.51      |
| 32 | 1038.95    | 1047.08     | 1052.77     | 1035.03     | 1046.96     | 1054.59      | 1068.37      | 1053.80      | 1053.24      | 1062.38      |
| 33 | 1025.85    | 1034.38     | 1040.55     | 1021.82     | 1034.12     | 1042.09      | 1055.83      | 1041.58      | 1040.73      | 1049.95      |
| 34 | 1012.54    | 1020.80     | 1027.61     | 1008.28     | 1020.89     | 1028.91      | 1043.29      | 1028.24      | 1027.78      | 1037.01      |
| 35 | 998.52     | 1007.41     | 1014.72     | 994.72      | 1007.73     | 1015.88      | 1030.06      | 1014.92      | 1014.29      | 1023.43      |
| 36 | 984.93     | 993.28      | 1001.13     | 981.01      | 993.97      | 1002.20      | 1016.76      | 1000.89      | 1001.11      | 1009.78      |
| 37 | 970.55     | 978.75      | 986.99      | 966.80      | 979.47      | 988.24       | 1003.00      | 986.86       | 987.44       | 995.89       |
| 38 | 956.17     | 964.48      | 973.19      | 951.87      | 964.81      | 974.08       | 988.61       | 972.56       | 972.34       | 981.45       |
| 39 | 940.88     | 949.04      | 958.53      | 937.32      | 949.93      | 959.34       | 973.80       | 957.90       | 958.19       | 966.65       |
| 40 | 925.62     | 934.04      | 943.24      | 921.80      | 934.61      | 944.44       | 959.45       | 943.17       | 942.93       | 951.67       |
| 41 | 910.06     | 918.26      | 928.33      | 906.29      | 918.96      | 928.99       | 943.86       | 928.05       | 927.76       | 936.07       |
| 42 | 894.24     | 902.20      | 913.01      | 890.50      | 902.93      | 913.53       | 928.57       | 912.36       | 912.26       | 920.07       |
| 43 | 877.65     | 885.90      | 896.62      | 874.28      | 886.55      | 897.67       | 912.21       | 896.76       | 896.38       | 904.07       |
| 44 | 861.35     | 868.93      | 880.35      | 857.99      | 869.56      | 881.23       | 895.81       | 879.83       | 879.78       | 887.54       |
| 45 | 844.50     | 852.26      | 863.94      | 841.41      | 852.62      | 864.64       | 879.06       | 864.16       | 863.46       | 870.73       |
| 46 | 827.38     | 834.94      | 846.68      | 824.24      | 836.06      | 847.84       | 862.42       | 847.16       | 846.56       | 853.86       |
| 47 | 810.04     | 817.30      | 829.38      | 807.14      | 818.63      | 830.67       | 844.97       | 830.18       | 829.72       | 836.42       |
| 48 | 792.38     | 799.25      | 811.99      | 789.86      | 801.14      | 813.03       | 827.39       | 812.79       | 811.92       | 818.90       |
| 49 | 774.20     | 781.41      | 793.92      | 772.20      | 783.71      | 795.68       | 809.52       | 795.16       | 794.45       | 800.97       |
| 50 | 756.04     | 763.06      | 775.52      | 754.04      | 765.49      | 777.65       | 791.12       | 777.31       | 777.02       | 782.49       |
| 51 | 737.78     | 744.28      | 756.97      | 735.71      | 746.74      | 759.39       | 772.71       | 758.96       | 758.55       | 764.05       |
| 52 | 718.83     | 725.58      | 737.98      | 717.23      | 728.28      | 740.83       | 754.09       | 740.72       | 740.28       | 745.60       |
| 53 | 700.01     | 706.38      | 719.08      | 698.50      | 709.35      | 722.10       | 735.01       | 721.92       | 721.36       | 726.62       |

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**CANDELA TABULATION - (Cont.)**

|     |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54  | 680.68 | 687.11 | 699.28 | 679.67 | 690.22 | 703.28 | 715.58 | 702.70 | 702.65 | 707.53 |
| 55  | 661.05 | 667.51 | 679.54 | 659.98 | 670.55 | 683.82 | 696.23 | 684.03 | 683.59 | 688.19 |
| 56  | 641.69 | 647.50 | 660.04 | 641.19 | 650.96 | 664.08 | 676.23 | 664.73 | 664.02 | 668.52 |
| 57  | 621.93 | 627.93 | 639.83 | 621.42 | 631.12 | 644.22 | 656.11 | 644.94 | 644.73 | 648.69 |
| 58  | 601.89 | 607.64 | 619.53 | 601.86 | 611.00 | 624.49 | 636.19 | 625.17 | 624.52 | 628.85 |
| 59  | 581.83 | 587.49 | 598.75 | 581.79 | 590.96 | 604.36 | 615.91 | 605.17 | 604.73 | 608.50 |
| 60  | 561.44 | 567.08 | 577.83 | 561.72 | 570.48 | 584.06 | 595.38 | 585.16 | 584.70 | 588.07 |
| 61  | 541.11 | 545.99 | 557.00 | 542.19 | 550.32 | 563.54 | 574.72 | 564.62 | 564.17 | 567.53 |
| 62  | 520.32 | 525.46 | 536.28 | 521.45 | 529.75 | 543.36 | 553.86 | 544.25 | 543.95 | 546.60 |
| 63  | 499.56 | 504.29 | 515.19 | 501.26 | 508.84 | 522.19 | 532.56 | 523.51 | 523.41 | 525.76 |
| 64  | 479.09 | 483.33 | 493.81 | 480.69 | 488.20 | 501.28 | 511.38 | 502.69 | 502.66 | 504.84 |
| 65  | 458.13 | 462.27 | 472.77 | 460.03 | 467.77 | 480.47 | 490.38 | 481.82 | 481.74 | 483.57 |
| 66  | 437.02 | 441.02 | 451.12 | 439.56 | 446.90 | 459.16 | 468.99 | 460.89 | 461.05 | 462.47 |
| 67  | 416.09 | 420.04 | 430.05 | 418.96 | 426.56 | 438.25 | 447.51 | 439.84 | 440.05 | 441.17 |
| 68  | 395.40 | 398.81 | 408.55 | 398.24 | 405.88 | 416.82 | 426.33 | 418.76 | 419.02 | 420.09 |
| 69  | 374.37 | 377.66 | 386.99 | 377.31 | 385.26 | 395.70 | 404.81 | 397.92 | 398.37 | 399.00 |
| 70  | 353.34 | 356.31 | 365.53 | 356.39 | 364.35 | 374.44 | 383.22 | 376.81 | 377.06 | 377.52 |
| 71  | 332.58 | 335.48 | 344.25 | 336.08 | 343.39 | 353.37 | 361.89 | 356.18 | 356.43 | 356.83 |
| 72  | 311.37 | 314.59 | 322.65 | 315.32 | 322.40 | 332.22 | 340.50 | 335.21 | 335.42 | 335.60 |
| 73  | 291.00 | 293.51 | 301.50 | 294.51 | 301.86 | 311.16 | 319.25 | 314.49 | 314.73 | 314.68 |
| 74  | 270.43 | 272.85 | 280.65 | 274.38 | 281.08 | 290.40 | 298.02 | 293.89 | 294.26 | 293.72 |
| 75  | 250.05 | 252.51 | 259.89 | 254.14 | 260.74 | 269.34 | 277.03 | 273.49 | 273.52 | 273.13 |
| 76  | 229.60 | 232.26 | 239.21 | 234.21 | 240.10 | 248.66 | 256.11 | 252.86 | 253.34 | 252.82 |
| 77  | 209.62 | 211.98 | 218.65 | 214.74 | 220.21 | 228.41 | 235.30 | 232.50 | 232.80 | 232.25 |
| 78  | 189.96 | 192.10 | 198.56 | 194.99 | 200.45 | 208.46 | 214.98 | 212.54 | 212.68 | 212.14 |
| 79  | 170.29 | 172.29 | 178.57 | 175.76 | 181.05 | 189.12 | 194.62 | 192.58 | 192.79 | 192.08 |
| 80  | 151.11 | 153.19 | 159.07 | 156.93 | 162.11 | 169.68 | 174.82 | 172.99 | 173.15 | 172.29 |
| 81  | 132.54 | 134.37 | 140.19 | 138.80 | 143.45 | 150.65 | 155.40 | 153.62 | 153.87 | 153.13 |
| 82  | 114.28 | 115.75 | 121.35 | 120.64 | 125.28 | 131.92 | 136.53 | 134.73 | 134.88 | 134.03 |
| 83  | 96.25  | 98.00  | 103.07 | 103.32 | 107.60 | 113.46 | 117.86 | 116.27 | 116.30 | 115.63 |
| 84  | 78.84  | 80.42  | 85.47  | 86.34  | 90.77  | 95.95  | 99.62  | 98.22  | 98.46  | 97.45  |
| 85  | 62.00  | 63.50  | 68.15  | 69.70  | 74.19  | 79.15  | 81.72  | 80.93  | 80.65  | 79.99  |
| 86  | 45.74  | 47.10  | 51.57  | 53.99  | 58.14  | 62.94  | 64.74  | 63.82  | 63.76  | 62.99  |
| 87  | 29.86  | 31.40  | 35.34  | 38.75  | 42.85  | 47.06  | 48.00  | 47.35  | 47.10  | 46.43  |
| 88  | 14.17  | 16.16  | 19.81  | 23.59  | 27.67  | 31.27  | 32.30  | 31.50  | 31.24  | 30.69  |
| 89  | 2.14   | 3.55   | 4.31   | 5.44   | 9.76   | 14.54  | 16.60  | 16.93  | 15.98  | 15.57  |
| 90  | 0.52   | 0.29   | 0.29   | 0.20   | 0.03   | 0.61   | 2.44   | 3.79   | 2.81   | 2.81   |
| 91  | 0.44   | 0.21   | 0.08   | 0.09   | 0.03   | 0.03   | 0.00   | 0.23   | 0.34   | 0.24   |
| 92  | 0.44   | 0.21   | 0.06   | 0.08   | 0.00   | 0.03   | 0.00   | 0.21   | 0.37   | 0.24   |
| 93  | 0.60   | 0.22   | 0.05   | 0.03   | 0.00   | 0.03   | 0.00   | 0.21   | 0.37   | 0.26   |
| 94  | 0.73   | 0.22   | 0.05   | 0.03   | 0.00   | 0.03   | 0.00   | 0.26   | 0.42   | 0.26   |
| 95  | 0.88   | 0.22   | 0.05   | 0.00   | 0.03   | 0.06   | 0.00   | 0.24   | 0.45   | 0.29   |
| 96  | 1.04   | 0.23   | 0.08   | 0.00   | 0.00   | 0.08   | 0.00   | 0.29   | 0.52   | 0.34   |
| 97  | 1.10   | 0.23   | 0.05   | 0.00   | 0.06   | 0.06   | 0.05   | 0.31   | 0.60   | 0.37   |
| 98  | 1.17   | 0.23   | 0.05   | 0.00   | 0.09   | 0.06   | 0.05   | 0.34   | 0.65   | 0.42   |
| 99  | 1.25   | 0.24   | 0.03   | 0.00   | 0.10   | 0.08   | 0.05   | 0.37   | 0.76   | 0.45   |
| 100 | 1.28   | 0.24   | 0.03   | 0.00   | 0.10   | 0.08   | 0.11   | 0.42   | 0.84   | 0.53   |
| 101 | 1.29   | 0.26   | 0.03   | 0.00   | 0.11   | 0.11   | 0.08   | 0.44   | 0.94   | 0.55   |
| 102 | 1.30   | 0.37   | 0.03   | 0.00   | 0.12   | 0.17   | 0.14   | 0.44   | 1.05   | 0.61   |
| 103 | 1.31   | 0.39   | 0.03   | 0.00   | 0.13   | 0.18   | 0.16   | 0.52   | 1.12   | 0.66   |
| 104 | 1.31   | 0.40   | 0.03   | 0.00   | 0.14   | 0.20   | 0.19   | 0.55   | 1.23   | 0.71   |
| 105 | 1.32   | 0.42   | 0.03   | 0.00   | 0.20   | 0.22   | 0.30   | 0.58   | 1.31   | 0.71   |
| 106 | 1.33   | 0.44   | 0.03   | 0.00   | 0.20   | 0.24   | 0.35   | 0.63   | 1.36   | 0.71   |
| 107 | 1.28   | 0.46   | 0.03   | 0.00   | 0.23   | 0.25   | 0.35   | 0.64   | 1.33   | 0.71   |
| 108 | 1.23   | 0.48   | 0.03   | 0.00   | 0.26   | 0.28   | 0.40   | 0.65   | 1.33   | 0.71   |
| 109 | 1.18   | 0.50   | 0.03   | 0.00   | 0.28   | 0.31   | 0.43   | 0.66   | 1.36   | 0.71   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 110 | 1.12 | 0.50 | 0.03 | 0.00 | 0.29 | 0.34 | 0.46 | 0.67 | 1.33 | 0.71 |
| 111 | 1.07 | 0.50 | 0.03 | 0.00 | 0.31 | 0.36 | 0.48 | 0.68 | 1.31 | 0.71 |
| 112 | 1.02 | 0.50 | 0.05 | 0.00 | 0.33 | 0.36 | 0.49 | 0.69 | 1.25 | 0.71 |
| 113 | 0.99 | 0.50 | 0.08 | 0.06 | 0.35 | 0.42 | 0.54 | 0.70 | 1.28 | 0.71 |
| 114 | 0.94 | 0.50 | 0.13 | 0.03 | 0.37 | 0.45 | 0.54 | 0.71 | 1.25 | 0.71 |
| 115 | 0.84 | 0.50 | 0.16 | 0.06 | 0.34 | 0.46 | 0.55 | 0.72 | 1.18 | 0.71 |
| 116 | 0.73 | 0.50 | 0.16 | 0.06 | 0.34 | 0.46 | 0.55 | 0.73 | 1.12 | 0.71 |
| 117 | 0.68 | 0.50 | 0.18 | 0.11 | 0.40 | 0.47 | 0.56 | 0.65 | 1.12 | 0.70 |
| 118 | 0.55 | 0.50 | 0.20 | 0.17 | 0.43 | 0.48 | 0.56 | 0.66 | 1.04 | 0.70 |
| 119 | 0.42 | 0.53 | 0.22 | 0.17 | 0.40 | 0.49 | 0.57 | 0.66 | 0.94 | 0.70 |
| 120 | 0.34 | 0.56 | 0.24 | 0.17 | 0.40 | 0.50 | 0.59 | 0.67 | 0.78 | 0.69 |
| 121 | 0.34 | 0.59 | 0.26 | 0.17 | 0.45 | 0.51 | 0.62 | 0.67 | 0.70 | 0.69 |
| 122 | 0.34 | 0.62 | 0.28 | 0.17 | 0.43 | 0.51 | 0.65 | 0.67 | 0.57 | 0.69 |
| 123 | 0.34 | 0.65 | 0.30 | 0.19 | 0.43 | 0.52 | 0.65 | 0.68 | 0.56 | 0.69 |
| 124 | 0.34 | 0.68 | 0.35 | 0.21 | 0.46 | 0.53 | 0.67 | 0.68 | 0.55 | 0.71 |
| 125 | 0.34 | 0.69 | 0.36 | 0.23 | 0.46 | 0.53 | 0.67 | 0.71 | 0.53 | 0.74 |
| 126 | 0.34 | 0.71 | 0.36 | 0.25 | 0.48 | 0.59 | 0.70 | 0.78 | 0.52 | 0.79 |
| 127 | 0.34 | 0.73 | 0.37 | 0.27 | 0.51 | 0.59 | 0.73 | 0.86 | 0.50 | 0.84 |
| 128 | 0.34 | 0.75 | 0.37 | 0.29 | 0.51 | 0.60 | 0.70 | 0.94 | 0.49 | 0.87 |
| 129 | 0.34 | 0.76 | 0.37 | 0.31 | 0.54 | 0.61 | 0.75 | 0.99 | 0.47 | 0.98 |
| 130 | 0.34 | 0.78 | 0.38 | 0.31 | 0.57 | 0.61 | 0.78 | 1.05 | 0.46 | 1.11 |
| 131 | 0.34 | 0.79 | 0.38 | 0.34 | 0.60 | 0.62 | 0.75 | 1.12 | 0.45 | 1.14 |
| 132 | 0.34 | 0.81 | 0.44 | 0.31 | 0.60 | 0.62 | 0.75 | 1.18 | 0.43 | 1.16 |
| 133 | 0.34 | 0.83 | 0.44 | 0.36 | 0.61 | 0.63 | 0.78 | 1.26 | 0.42 | 1.19 |
| 134 | 0.34 | 0.83 | 0.46 | 0.36 | 0.61 | 0.64 | 0.78 | 1.27 | 0.39 | 1.21 |
| 135 | 0.34 | 0.84 | 0.46 | 0.36 | 0.61 | 0.65 | 0.81 | 1.28 | 0.44 | 1.24 |
| 136 | 0.34 | 0.85 | 0.50 | 0.36 | 0.62 | 0.66 | 0.81 | 1.29 | 0.42 | 1.27 |
| 137 | 0.34 | 0.86 | 0.53 | 0.37 | 0.62 | 0.68 | 0.83 | 1.30 | 0.42 | 1.29 |
| 138 | 0.34 | 0.86 | 0.56 | 0.37 | 0.64 | 0.69 | 0.86 | 1.31 | 0.44 | 1.32 |
| 139 | 0.34 | 0.87 | 0.59 | 0.37 | 0.66 | 0.70 | 0.89 | 1.33 | 0.45 | 1.34 |
| 140 | 0.34 | 0.87 | 0.62 | 0.37 | 0.68 | 0.67 | 0.94 | 1.33 | 0.50 | 1.33 |
| 141 | 0.34 | 0.88 | 0.73 | 0.37 | 0.69 | 0.73 | 0.97 | 1.33 | 0.47 | 1.32 |
| 142 | 0.34 | 0.89 | 0.74 | 0.39 | 0.71 | 0.73 | 1.00 | 1.33 | 0.50 | 1.30 |
| 143 | 0.34 | 0.89 | 0.76 | 0.41 | 0.68 | 0.75 | 1.00 | 1.33 | 0.55 | 1.29 |
| 144 | 0.34 | 0.91 | 0.79 | 0.43 | 0.74 | 0.77 | 1.05 | 1.33 | 0.55 | 1.28 |
| 145 | 0.34 | 0.92 | 0.76 | 0.46 | 0.71 | 0.78 | 1.05 | 1.33 | 0.57 | 1.26 |
| 146 | 0.34 | 0.94 | 0.76 | 0.48 | 0.71 | 0.79 | 1.08 | 1.33 | 0.58 | 1.24 |
| 147 | 0.34 | 0.95 | 0.79 | 0.48 | 0.74 | 0.80 | 1.10 | 1.33 | 0.63 | 1.21 |
| 148 | 0.37 | 0.97 | 0.82 | 0.50 | 0.77 | 0.81 | 1.13 | 1.33 | 0.60 | 1.21 |
| 149 | 0.42 | 0.99 | 0.85 | 0.52 | 0.80 | 0.81 | 1.16 | 1.32 | 0.63 | 1.20 |
| 150 | 0.42 | 1.00 | 0.87 | 0.55 | 0.80 | 0.87 | 1.16 | 1.32 | 0.65 | 1.19 |
| 151 | 0.44 | 1.03 | 0.90 | 0.57 | 0.83 | 0.84 | 1.16 | 1.32 | 0.68 | 1.18 |
| 152 | 0.47 | 1.11 | 0.93 | 0.59 | 0.84 | 0.85 | 1.17 | 1.32 | 0.70 | 1.17 |
| 153 | 0.50 | 1.13 | 0.93 | 0.62 | 0.85 | 0.87 | 1.17 | 1.32 | 0.71 | 1.16 |
| 154 | 0.50 | 1.13 | 0.95 | 0.65 | 0.86 | 0.88 | 1.17 | 1.32 | 0.73 | 1.05 |
| 155 | 0.52 | 1.13 | 0.98 | 0.68 | 0.87 | 0.89 | 1.18 | 1.32 | 0.74 | 1.00 |
| 156 | 0.57 | 1.13 | 1.01 | 0.70 | 0.89 | 0.91 | 1.18 | 1.32 | 0.76 | 0.99 |
| 157 | 0.63 | 1.13 | 1.04 | 0.73 | 0.90 | 0.92 | 1.18 | 1.32 | 0.76 | 0.98 |
| 158 | 0.68 | 1.13 | 1.06 | 0.76 | 0.91 | 0.92 | 1.18 | 1.32 | 0.78 | 0.97 |
| 159 | 0.68 | 1.13 | 1.09 | 0.80 | 0.92 | 0.94 | 1.19 | 1.32 | 0.84 | 0.96 |
| 160 | 0.68 | 1.13 | 1.12 | 0.83 | 0.93 | 0.96 | 1.19 | 1.32 | 0.86 | 0.95 |
| 161 | 0.69 | 1.13 | 1.09 | 0.86 | 0.94 | 0.97 | 1.19 | 1.31 | 0.94 | 0.94 |
| 162 | 0.69 | 1.16 | 1.14 | 0.89 | 0.94 | 0.99 | 1.19 | 1.31 | 0.97 | 0.93 |
| 163 | 0.70 | 1.16 | 1.20 | 0.93 | 0.97 | 1.01 | 1.19 | 1.31 | 1.02 | 0.92 |
| 164 | 0.70 | 1.26 | 1.17 | 1.10 | 1.00 | 1.01 | 1.19 | 1.31 | 1.07 | 0.91 |
| 165 | 0.71 | 1.29 | 1.23 | 1.15 | 1.05 | 1.06 | 1.19 | 1.31 | 1.15 | 0.90 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 166 | 0.71 | 1.29 | 1.31 | 1.18 | 1.08 | 1.09 | 1.20 | 1.31 | 1.15 | 0.89 |
| 167 | 0.72 | 1.30 | 1.34 | 1.15 | 1.14 | 1.12 | 1.20 | 1.31 | 1.15 | 0.89 |
| 168 | 0.72 | 1.30 | 1.39 | 1.16 | 1.20 | 1.15 | 1.20 | 1.31 | 1.15 | 0.88 |
| 169 | 0.73 | 1.31 | 1.45 | 1.17 | 1.23 | 1.23 | 1.20 | 1.31 | 1.15 | 0.87 |
| 170 | 0.74 | 1.31 | 1.42 | 1.18 | 1.31 | 1.23 | 1.20 | 1.31 | 1.15 | 0.86 |
| 171 | 0.75 | 1.32 | 1.42 | 1.19 | 1.31 | 1.23 | 1.20 | 1.31 | 1.15 | 0.85 |
| 172 | 0.76 | 1.32 | 1.43 | 1.20 | 1.32 | 1.23 | 1.20 | 1.31 | 1.15 | 0.84 |
| 173 | 0.77 | 1.33 | 1.43 | 1.20 | 1.32 | 1.23 | 1.21 | 1.31 | 1.15 | 0.83 |
| 174 | 0.78 | 1.33 | 1.43 | 1.21 | 1.33 | 1.23 | 1.21 | 1.31 | 1.15 | 0.82 |
| 175 | 0.81 | 1.33 | 1.44 | 1.22 | 1.33 | 1.23 | 1.21 | 1.31 | 1.15 | 0.81 |
| 176 | 0.78 | 1.34 | 1.44 | 1.23 | 1.33 | 1.23 | 1.21 | 1.31 | 1.15 | 0.80 |
| 177 | 0.78 | 1.34 | 1.45 | 1.24 | 1.34 | 1.23 | 1.21 | 1.31 | 1.15 | 0.79 |
| 178 | 0.78 | 1.34 | 1.45 | 1.24 | 1.34 | 1.23 | 1.21 | 1.31 | 1.15 | 0.79 |
| 179 | 0.78 | 1.34 | 1.45 | 1.24 | 1.34 | 1.26 | 1.21 | 1.31 | 1.15 | 0.79 |
| 180 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |

**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  | 1251.68      | 1251.68      | 1251.68      | 1251.68      | 1251.68      | 1251.68      | 1251.68      |
| 1  | 1251.59      | 1251.74      | 1251.35      | 1250.83      | 1251.50      | 1251.54      | 1251.35      |
| 2  | 1251.26      | 1251.65      | 1250.46      | 1250.03      | 1250.26      | 1251.07      | 1250.27      |
| 3  | 1250.21      | 1250.62      | 1249.25      | 1248.92      | 1248.58      | 1249.59      | 1248.90      |
| 4  | 1249.91      | 1249.73      | 1247.79      | 1246.89      | 1247.33      | 1248.36      | 1247.88      |
| 5  | 1248.25      | 1247.85      | 1245.47      | 1244.95      | 1245.61      | 1246.18      | 1245.62      |
| 6  | 1246.15      | 1245.68      | 1243.04      | 1242.29      | 1243.53      | 1243.96      | 1243.17      |
| 7  | 1244.31      | 1243.60      | 1240.43      | 1239.53      | 1240.54      | 1241.41      | 1240.45      |
| 8  | 1241.65      | 1240.82      | 1236.66      | 1236.41      | 1237.41      | 1238.04      | 1236.85      |
| 9  | 1238.85      | 1237.58      | 1232.68      | 1232.62      | 1234.16      | 1234.56      | 1232.98      |
| 10 | 1235.45      | 1233.87      | 1228.43      | 1228.66      | 1230.02      | 1230.49      | 1228.90      |
| 11 | 1231.88      | 1229.74      | 1223.92      | 1224.12      | 1225.70      | 1226.19      | 1224.65      |
| 12 | 1228.05      | 1225.34      | 1218.43      | 1219.17      | 1221.38      | 1221.56      | 1219.80      |
| 13 | 1223.74      | 1219.99      | 1212.75      | 1213.74      | 1216.60      | 1216.75      | 1214.28      |
| 14 | 1219.16      | 1214.98      | 1206.76      | 1207.53      | 1211.36      | 1211.10      | 1208.89      |
| 15 | 1214.18      | 1209.98      | 1200.18      | 1201.56      | 1205.36      | 1205.05      | 1202.82      |
| 16 | 1208.56      | 1204.23      | 1193.09      | 1194.92      | 1199.23      | 1198.85      | 1196.14      |
| 17 | 1202.93      | 1197.07      | 1186.36      | 1187.75      | 1192.66      | 1191.97      | 1189.11      |
| 18 | 1196.42      | 1190.21      | 1178.84      | 1180.37      | 1185.69      | 1185.13      | 1181.57      |
| 19 | 1189.80      | 1183.21      | 1170.38      | 1172.50      | 1178.61      | 1177.44      | 1173.70      |
| 20 | 1183.32      | 1175.18      | 1162.08      | 1164.35      | 1171.38      | 1169.31      | 1165.86      |
| 21 | 1175.95      | 1167.34      | 1153.44      | 1155.65      | 1162.74      | 1161.08      | 1157.53      |
| 22 | 1168.18      | 1158.70      | 1143.98      | 1146.74      | 1154.51      | 1152.41      | 1148.74      |
| 23 | 1160.29      | 1149.99      | 1134.65      | 1137.46      | 1145.95      | 1143.13      | 1139.32      |
| 24 | 1151.37      | 1140.75      | 1124.39      | 1128.29      | 1136.57      | 1133.37      | 1129.93      |
| 25 | 1142.23      | 1131.26      | 1114.02      | 1117.61      | 1127.28      | 1123.54      | 1119.83      |
| 26 | 1133.16      | 1121.29      | 1103.24      | 1107.10      | 1117.29      | 1112.83      | 1108.96      |
| 27 | 1123.70      | 1110.93      | 1092.13      | 1096.05      | 1107.04      | 1102.06      | 1098.31      |
| 28 | 1113.66      | 1100.39      | 1080.89      | 1084.90      | 1096.72      | 1090.86      | 1087.02      |
| 29 | 1103.08      | 1089.05      | 1069.10      | 1073.60      | 1085.36      | 1079.34      | 1075.85      |
| 30 | 1092.38      | 1077.73      | 1056.47      | 1061.62      | 1074.27      | 1067.27      | 1063.84      |
| 31 | 1081.20      | 1065.86      | 1044.07      | 1049.08      | 1062.55      | 1055.14      | 1051.22      |
| 32 | 1069.59      | 1052.90      | 1031.47      | 1036.64      | 1050.07      | 1042.45      | 1038.95      |
| 33 | 1057.71      | 1040.11      | 1018.27      | 1023.24      | 1037.58      | 1029.36      | 1025.85      |
| 34 | 1045.18      | 1027.37      | 1004.76      | 1010.12      | 1024.56      | 1016.27      | 1012.54      |
| 35 | 1032.59      | 1014.61      | 990.93       | 996.61       | 1011.26      | 1002.32      | 998.52       |
| 36 | 1019.16      | 1000.77      | 976.88       | 982.76       | 997.68       | 988.05       | 984.93       |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**CANDELA TABULATION - (Cont.)**

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| 37 | 1005.97 | 986.92 | 962.43 | 968.54 | 983.76 | 973.57 | 970.55 |
| 38 | 991.66  | 972.40 | 947.49 | 953.88 | 969.58 | 958.91 | 956.17 |
| 39 | 977.65  | 957.65 | 932.57 | 939.20 | 954.79 | 944.09 | 940.88 |
| 40 | 963.06  | 942.72 | 917.49 | 923.64 | 939.61 | 928.64 | 925.62 |
| 41 | 947.49  | 927.15 | 901.25 | 908.01 | 923.71 | 912.52 | 910.06 |
| 42 | 932.57  | 911.49 | 885.37 | 892.46 | 908.28 | 896.66 | 894.24 |
| 43 | 916.77  | 895.58 | 869.14 | 876.43 | 892.25 | 880.72 | 877.65 |
| 44 | 900.12  | 879.06 | 852.26 | 859.88 | 876.06 | 863.63 | 861.35 |
| 45 | 883.61  | 862.49 | 835.51 | 843.16 | 859.36 | 847.03 | 844.50 |
| 46 | 866.86  | 845.77 | 818.21 | 826.24 | 842.03 | 829.85 | 827.38 |
| 47 | 849.54  | 828.33 | 800.47 | 809.18 | 824.46 | 812.26 | 810.04 |
| 48 | 831.76  | 810.71 | 782.99 | 791.61 | 806.63 | 794.12 | 792.38 |
| 49 | 814.01  | 793.31 | 764.92 | 774.05 | 788.85 | 776.31 | 774.20 |
| 50 | 796.11  | 774.80 | 746.85 | 755.57 | 770.63 | 758.24 | 756.04 |
| 51 | 777.11  | 756.56 | 728.54 | 737.35 | 751.74 | 739.39 | 737.78 |
| 52 | 758.44  | 737.93 | 710.02 | 718.59 | 733.10 | 720.75 | 718.83 |
| 53 | 739.33  | 719.32 | 691.50 | 700.05 | 713.93 | 701.76 | 700.01 |
| 54 | 719.83  | 700.11 | 672.40 | 681.10 | 694.72 | 682.17 | 680.68 |
| 55 | 700.04  | 680.96 | 653.24 | 661.57 | 674.83 | 662.99 | 661.05 |
| 56 | 680.08  | 661.40 | 633.79 | 642.36 | 655.10 | 643.38 | 641.69 |
| 57 | 659.99  | 641.54 | 614.46 | 622.65 | 635.07 | 623.44 | 621.93 |
| 58 | 639.51  | 621.52 | 594.84 | 602.88 | 614.62 | 603.47 | 601.89 |
| 59 | 619.10  | 601.64 | 574.73 | 582.72 | 594.19 | 582.94 | 581.83 |
| 60 | 598.18  | 581.18 | 555.00 | 562.73 | 573.44 | 562.59 | 561.44 |
| 61 | 577.14  | 560.96 | 534.87 | 542.83 | 552.84 | 541.93 | 541.11 |
| 62 | 556.17  | 540.49 | 514.75 | 522.03 | 531.98 | 521.30 | 520.32 |
| 63 | 534.75  | 519.54 | 494.34 | 501.49 | 510.89 | 500.53 | 499.56 |
| 64 | 513.34  | 498.69 | 473.70 | 480.81 | 489.99 | 479.51 | 479.09 |
| 65 | 492.04  | 478.02 | 453.55 | 460.00 | 468.85 | 458.85 | 458.13 |
| 66 | 470.51  | 457.03 | 432.88 | 439.31 | 447.33 | 437.52 | 437.02 |
| 67 | 448.89  | 436.02 | 412.41 | 418.37 | 426.41 | 416.60 | 416.09 |
| 68 | 427.16  | 414.67 | 391.76 | 397.53 | 404.84 | 395.84 | 395.40 |
| 69 | 405.42  | 393.86 | 371.25 | 376.54 | 383.41 | 374.66 | 374.37 |
| 70 | 383.74  | 372.43 | 350.74 | 355.59 | 361.90 | 353.68 | 353.34 |
| 71 | 362.12  | 351.28 | 330.40 | 334.76 | 340.89 | 332.85 | 332.58 |
| 72 | 340.71  | 330.36 | 310.09 | 314.06 | 319.47 | 311.95 | 311.37 |
| 73 | 319.26  | 309.41 | 289.42 | 293.06 | 298.32 | 291.14 | 291.00 |
| 74 | 297.83  | 288.45 | 269.73 | 272.87 | 277.20 | 270.92 | 270.43 |
| 75 | 276.75  | 267.62 | 249.59 | 252.40 | 256.46 | 250.26 | 250.05 |
| 76 | 255.61  | 247.02 | 229.91 | 232.54 | 235.61 | 230.15 | 229.60 |
| 77 | 234.74  | 226.55 | 210.35 | 212.69 | 215.40 | 210.05 | 209.62 |
| 78 | 214.00  | 206.84 | 191.17 | 192.84 | 195.23 | 190.21 | 189.96 |
| 79 | 193.72  | 187.09 | 172.38 | 173.25 | 175.74 | 170.72 | 170.29 |
| 80 | 173.95  | 167.51 | 153.92 | 154.39 | 156.12 | 151.63 | 151.11 |
| 81 | 154.31  | 148.57 | 135.93 | 135.96 | 137.12 | 132.71 | 132.54 |
| 82 | 135.27  | 129.67 | 118.24 | 117.98 | 118.24 | 114.59 | 114.28 |
| 83 | 116.23  | 111.44 | 101.21 | 100.53 | 99.97  | 96.65  | 96.25  |
| 84 | 97.97   | 93.77  | 84.47  | 83.37  | 82.61  | 79.24  | 78.84  |
| 85 | 80.33   | 76.60  | 68.31  | 66.53  | 65.34  | 62.32  | 62.00  |
| 86 | 62.89   | 59.83  | 52.95  | 50.48  | 48.71  | 45.89  | 45.74  |
| 87 | 46.29   | 43.47  | 37.98  | 35.00  | 32.61  | 30.10  | 29.86  |
| 88 | 29.98   | 27.60  | 23.27  | 20.28  | 17.65  | 14.88  | 14.17  |
| 89 | 14.54   | 10.27  | 4.56   | 3.02   | 2.61   | 2.67   | 2.14   |
| 90 | 0.79    | 0.03   | 0.25   | 0.14   | 0.23   | 0.26   | 0.52   |
| 91 | 0.08    | 0.06   | 0.09   | 0.11   | 0.11   | 0.16   | 0.44   |
| 92 | 0.05    | 0.03   | 0.06   | 0.06   | 0.08   | 0.16   | 0.44   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| 93  | 0.05 | 0.03 | 0.03 | 0.06 | 0.08 | 0.16 | 0.60 |
| 94  | 0.05 | 0.03 | 0.00 | 0.03 | 0.11 | 0.17 | 0.73 |
| 95  | 0.05 | 0.03 | 0.00 | 0.00 | 0.08 | 0.17 | 0.88 |
| 96  | 0.06 | 0.03 | 0.00 | 0.00 | 0.05 | 0.18 | 1.04 |
| 97  | 0.08 | 0.06 | 0.00 | 0.00 | 0.05 | 0.20 | 1.10 |
| 98  | 0.11 | 0.06 | 0.00 | 0.00 | 0.05 | 0.22 | 1.17 |
| 99  | 0.14 | 0.08 | 0.00 | 0.00 | 0.05 | 0.24 | 1.25 |
| 100 | 0.18 | 0.11 | 0.00 | 0.00 | 0.05 | 0.27 | 1.28 |
| 101 | 0.21 | 0.14 | 0.00 | 0.00 | 0.05 | 0.29 | 1.29 |
| 102 | 0.24 | 0.17 | 0.00 | 0.00 | 0.05 | 0.29 | 1.30 |
| 103 | 0.27 | 0.20 | 0.00 | 0.00 | 0.05 | 0.32 | 1.31 |
| 104 | 0.33 | 0.20 | 0.00 | 0.00 | 0.05 | 0.35 | 1.31 |
| 105 | 0.33 | 0.23 | 0.00 | 0.00 | 0.05 | 0.38 | 1.32 |
| 106 | 0.36 | 0.23 | 0.00 | 0.00 | 0.05 | 0.41 | 1.33 |
| 107 | 0.44 | 0.25 | 0.00 | 0.00 | 0.05 | 0.44 | 1.28 |
| 108 | 0.44 | 0.28 | 0.00 | 0.00 | 0.05 | 0.44 | 1.23 |
| 109 | 0.49 | 0.34 | 0.00 | 0.00 | 0.05 | 0.47 | 1.18 |
| 110 | 0.49 | 0.39 | 0.00 | 0.00 | 0.11 | 0.48 | 1.12 |
| 111 | 0.57 | 0.40 | 0.00 | 0.00 | 0.16 | 0.49 | 1.07 |
| 112 | 0.58 | 0.45 | 0.00 | 0.03 | 0.19 | 0.51 | 1.02 |
| 113 | 0.59 | 0.48 | 0.00 | 0.06 | 0.29 | 0.52 | 0.99 |
| 114 | 0.60 | 0.48 | 0.00 | 0.06 | 0.30 | 0.53 | 0.94 |
| 115 | 0.61 | 0.48 | 0.00 | 0.08 | 0.30 | 0.54 | 0.84 |
| 116 | 0.61 | 0.49 | 0.00 | 0.14 | 0.31 | 0.55 | 0.73 |
| 117 | 0.62 | 0.49 | 0.00 | 0.14 | 0.32 | 0.57 | 0.68 |
| 118 | 0.63 | 0.49 | 0.03 | 0.14 | 0.32 | 0.58 | 0.55 |
| 119 | 0.64 | 0.49 | 0.06 | 0.15 | 0.33 | 0.59 | 0.42 |
| 120 | 0.65 | 0.50 | 0.03 | 0.15 | 0.33 | 0.60 | 0.34 |
| 121 | 0.66 | 0.50 | 0.03 | 0.15 | 0.34 | 0.61 | 0.34 |
| 122 | 0.68 | 0.50 | 0.03 | 0.16 | 0.34 | 0.63 | 0.34 |
| 123 | 0.71 | 0.50 | 0.03 | 0.16 | 0.35 | 0.64 | 0.34 |
| 124 | 0.76 | 0.51 | 0.06 | 0.16 | 0.36 | 0.65 | 0.34 |
| 125 | 0.76 | 0.51 | 0.06 | 0.16 | 0.37 | 0.70 | 0.34 |
| 126 | 0.82 | 0.56 | 0.09 | 0.17 | 0.37 | 0.70 | 0.34 |
| 127 | 0.79 | 0.56 | 0.09 | 0.20 | 0.38 | 0.70 | 0.34 |
| 128 | 0.81 | 0.59 | 0.14 | 0.20 | 0.39 | 0.71 | 0.34 |
| 129 | 0.83 | 0.62 | 0.20 | 0.22 | 0.40 | 0.71 | 0.34 |
| 130 | 0.84 | 0.65 | 0.17 | 0.24 | 0.40 | 0.71 | 0.34 |
| 131 | 0.85 | 0.66 | 0.28 | 0.26 | 0.41 | 0.76 | 0.34 |
| 132 | 0.86 | 0.67 | 0.31 | 0.28 | 0.42 | 0.76 | 0.34 |
| 133 | 0.87 | 0.68 | 0.37 | 0.30 | 0.43 | 0.78 | 0.34 |
| 134 | 0.88 | 0.69 | 0.37 | 0.32 | 0.43 | 0.84 | 0.34 |
| 135 | 0.90 | 0.70 | 0.40 | 0.34 | 0.44 | 0.81 | 0.34 |
| 136 | 0.91 | 0.70 | 0.37 | 0.36 | 0.45 | 0.86 | 0.34 |
| 137 | 0.93 | 0.73 | 0.37 | 0.37 | 0.46 | 0.86 | 0.34 |
| 138 | 0.94 | 0.73 | 0.43 | 0.38 | 0.43 | 0.87 | 0.34 |
| 139 | 0.96 | 0.79 | 0.43 | 0.38 | 0.46 | 0.87 | 0.34 |
| 140 | 0.98 | 0.79 | 0.43 | 0.39 | 0.48 | 0.87 | 0.34 |
| 141 | 1.06 | 0.82 | 0.43 | 0.40 | 0.51 | 0.87 | 0.34 |
| 142 | 1.06 | 0.79 | 0.43 | 0.40 | 0.59 | 0.88 | 0.34 |
| 143 | 1.17 | 0.79 | 0.43 | 0.41 | 0.67 | 0.88 | 0.34 |
| 144 | 1.20 | 0.82 | 0.43 | 0.41 | 0.67 | 0.88 | 0.34 |
| 145 | 1.23 | 0.87 | 0.43 | 0.42 | 0.68 | 0.88 | 0.34 |
| 146 | 1.26 | 0.90 | 0.43 | 0.43 | 0.68 | 0.89 | 0.34 |
| 147 | 1.28 | 0.93 | 0.43 | 0.43 | 0.69 | 0.89 | 0.34 |
| 148 | 1.31 | 0.96 | 0.43 | 0.44 | 0.70 | 0.86 | 0.37 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**CANDELA TABULATION - (Cont.)**

|            |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|
| <b>149</b> | 1.34 | 0.99 | 0.43 | 0.45 | 0.70 | 0.86 | 0.42 |
| <b>150</b> | 1.36 | 1.01 | 0.43 | 0.48 | 0.71 | 0.89 | 0.42 |
| <b>151</b> | 1.34 | 1.07 | 0.43 | 0.48 | 0.72 | 0.91 | 0.44 |
| <b>152</b> | 1.34 | 1.13 | 0.43 | 0.50 | 0.72 | 0.93 | 0.47 |
| <b>153</b> | 1.37 | 1.13 | 0.43 | 0.56 | 0.73 | 0.96 | 0.50 |
| <b>154</b> | 1.42 | 1.14 | 0.43 | 0.64 | 0.73 | 0.98 | 0.50 |
| <b>155</b> | 1.47 | 1.14 | 0.43 | 0.67 | 0.74 | 1.00 | 0.52 |
| <b>156</b> | 1.53 | 1.15 | 0.43 | 0.67 | 0.76 | 1.02 | 0.57 |
| <b>157</b> | 1.53 | 1.15 | 0.43 | 0.70 | 0.78 | 1.03 | 0.63 |
| <b>158</b> | 1.53 | 1.18 | 0.43 | 0.70 | 0.80 | 1.05 | 0.68 |
| <b>159</b> | 1.53 | 1.21 | 0.45 | 0.73 | 0.81 | 1.06 | 0.68 |
| <b>160</b> | 1.53 | 1.24 | 0.51 | 0.73 | 0.83 | 1.08 | 0.68 |
| <b>161</b> | 1.53 | 1.32 | 0.51 | 0.75 | 0.83 | 1.09 | 0.69 |
| <b>162</b> | 1.53 | 1.35 | 0.62 | 0.73 | 0.99 | 1.11 | 0.69 |
| <b>163</b> | 1.53 | 1.38 | 0.71 | 0.84 | 1.13 | 1.11 | 0.70 |
| <b>164</b> | 1.53 | 1.41 | 0.74 | 0.92 | 1.16 | 1.12 | 0.70 |
| <b>165</b> | 1.53 | 1.41 | 0.82 | 1.03 | 1.19 | 1.13 | 0.71 |
| <b>166</b> | 1.53 | 1.42 | 0.88 | 1.12 | 1.23 | 1.14 | 0.71 |
| <b>167</b> | 1.53 | 1.43 | 0.94 | 1.09 | 1.26 | 1.14 | 0.72 |
| <b>168</b> | 1.51 | 1.43 | 0.94 | 1.17 | 1.29 | 1.14 | 0.72 |
| <b>169</b> | 1.48 | 1.44 | 1.02 | 1.23 | 1.30 | 1.14 | 0.73 |
| <b>170</b> | 1.46 | 1.45 | 1.11 | 1.23 | 1.30 | 1.14 | 0.74 |
| <b>171</b> | 1.44 | 1.45 | 1.25 | 1.24 | 1.31 | 1.14 | 0.75 |
| <b>172</b> | 1.43 | 1.46 | 1.24 | 1.24 | 1.31 | 1.14 | 0.76 |
| <b>173</b> | 1.42 | 1.47 | 1.24 | 1.25 | 1.32 | 1.14 | 0.77 |
| <b>174</b> | 1.42 | 1.47 | 1.24 | 1.25 | 1.33 | 1.15 | 0.78 |
| <b>175</b> | 1.41 | 1.48 | 1.23 | 1.25 | 1.33 | 1.15 | 0.81 |
| <b>176</b> | 1.40 | 1.49 | 1.23 | 1.26 | 1.34 | 1.15 | 0.78 |
| <b>177</b> | 1.39 | 1.49 | 1.22 | 1.23 | 1.35 | 1.15 | 0.78 |
| <b>178</b> | 1.39 | 1.49 | 1.22 | 1.26 | 1.35 | 1.15 | 0.78 |
| <b>179</b> | 1.39 | 1.49 | 1.22 | 1.26 | 1.35 | 1.15 | 0.78 |
| <b>180</b> | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 459.35  | N.A.  | 12.40  |
| 0-30    | 979.33  | N.A.  | 26.40  |
| 0-40    | 1611.51 | N.A.  | 43.50  |
| 0-60    | 2876.6  | N.A.  | 77.60  |
| 0-80    | 3620.78 | N.A.  | 97.70  |
| 0-90    | 3702.3  | N.A.  | 99.90  |
| 10-90   | 3583.76 | N.A.  | 96.70  |
| 20-40   | 1152.17 | N.A.  | 31.10  |
| 20-50   | 1813.78 | N.A.  | 48.90  |
| 40-70   | 1731.8  | N.A.  | 46.70  |
| 60-80   | 744.17  | N.A.  | 20.10  |
| 70-80   | 277.46  | N.A.  | 7.50   |
| 80-90   | 81.52   | N.A.  | 2.20   |
| 90-110  | 0.62    | N.A.  | 0.00   |
| 90-120  | 1.08    | N.A.  | 0.00   |
| 90-130  | 1.53    | N.A.  | 0.00   |
| 90-150  | 2.54    | N.A.  | 0.10   |
| 90-180  | 3.39    | N.A.  | 0.10   |
| 110-180 | 2.77    | N.A.  | 0.10   |
| 0-180   | 3705.69 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 118.54 |
| 10-20   | 340.81 |
| 20-30   | 519.98 |
| 30-40   | 632.19 |
| 40-50   | 661.61 |
| 50-60   | 603.48 |
| 60-70   | 466.71 |
| 70-80   | 277.46 |
| 80-90   | 81.52  |
| 90-100  | 0.24   |
| 100-110 | 0.39   |
| 110-120 | 0.46   |
| 120-130 | 0.45   |
| 130-140 | 0.51   |
| 140-150 | 0.50   |
| 150-160 | 0.43   |
| 160-170 | 0.31   |
| 170-180 | 0.12   |

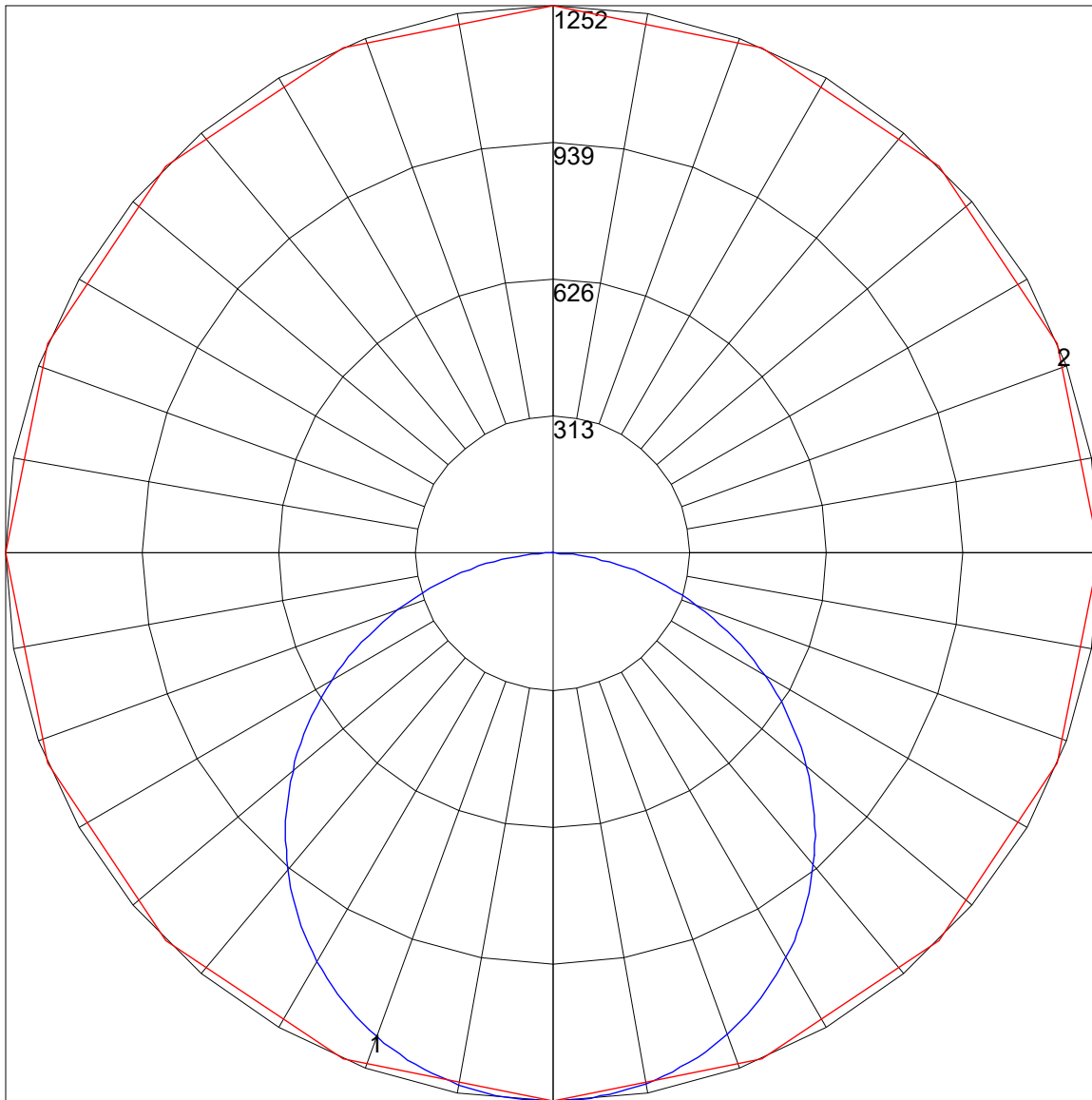
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 MD UV FR 840.IES**

**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  | 94  | 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  | 90  | 79  | 70  | 64  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 66  | 61  | 69  | 64  | 60  | 58  |
| 4  | 82  | 70  | 61  | 54  | 80  | 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  | 45  | 39  | 50  | 44  | 39  | 37  |
| 7  | 64  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 35  | 32  |
| 8  | 60  | 46  | 38  | 32  | 58  | 45  | 37  | 31  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |
| 9  | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 41  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |
| 10 | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 37  | 30  | 25  | 36  | 30  | 25  | 23  |

POLAR GRAPH



Maximum Candela = 1252.07 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.)