

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] DG3221028-50025E-EE  
[TESTLAB] Bay Area Compliance Labs Corp.  
[TESTDATE] 2022-12-02  
[ISSUEDATE] 2022-12-02 19:08:06  
[LAMPPOSITION] 0,0  
[OTHER]  
[MANUFAC] BEGHELLI  
[LUMCAT] MPLSEL40HTT3HV-40000LM4K  
[LAMP] N/A

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 40963           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 139             |
| Total Luminaire Watts           | 295.6           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.26            |
| Spacing Criterion (90-270)      | 1.60            |
| Spacing Criterion (Diagonal)    | 1.54            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.30 m          |
| Luminous Width (90-270)         | 0.28 m          |
| Luminous Height                 | 0.00 m          |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 120104           | 164795            | 201175            |
| 55                  | 95360            | 179428            | 250496            |
| 65                  | 48630            | 200700            | 347369            |
| 75                  | 23958            | 55919             | 431948            |
| 85                  | 16665            | 14780             | 154339            |

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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  | 11471.70   | 11471.70    | 11471.70    | 11471.70    | 11471.70    | 11471.70     | 11471.70     | 11471.70     | 11471.70     | 11471.70     |
| 1  | 11509.71   | 11507.69    | 11501.66    | 11489.72    | 11474.83    | 11460.36     | 11443.14     | 11431.10     | 11426.04     | 11428.55     |
| 2  | 11537.88   | 11535.86    | 11527.45    | 11508.71    | 11482.08    | 11450.55     | 11412.32     | 11383.62     | 11371.68     | 11376.87     |
| 3  | 11559.62   | 11558.39    | 11551.41    | 11528.16    | 11490.19    | 11442.53     | 11380.09     | 11328.80     | 11307.96     | 11318.19     |
| 4  | 11574.30   | 11574.58    | 11571.51    | 11546.83    | 11497.69    | 11432.29     | 11345.42     | 11272.87     | 11241.33     | 11255.07     |
| 5  | 11583.59   | 11587.02    | 11588.47    | 11562.88    | 11504.37    | 11419.91     | 11307.54     | 11210.27     | 11166.64     | 11187.92     |
| 6  | 11586.55   | 11593.62    | 11600.43    | 11575.28    | 11510.63    | 11405.79     | 11266.85     | 11144.62     | 11085.94     | 11116.10     |
| 7  | 11587.18   | 11597.80    | 11608.33    | 11587.57    | 11520.70    | 11392.60     | 11223.38     | 11072.75     | 11001.78     | 11038.63     |
| 8  | 11585.30   | 11600.01    | 11614.00    | 11601.76    | 11530.91    | 11380.51     | 11175.30     | 11000.67     | 10915.80     | 10963.40     |
| 9  | 11577.82   | 11598.77    | 11620.88    | 11616.37    | 11541.94    | 11368.00     | 11126.27     | 10924.78     | 10827.14     | 10883.44     |
| 10 | 11565.42   | 11592.93    | 11627.87    | 11631.42    | 11553.23    | 11355.37     | 11076.97     | 10843.41     | 10732.21     | 10801.62     |
| 11 | 11546.48   | 11582.62    | 11634.46    | 11644.23    | 11565.82    | 11341.71     | 11025.37     | 10758.13     | 10634.87     | 10715.83     |
| 12 | 11519.10   | 11564.54    | 11639.20    | 11658.99    | 11582.59    | 11330.52     | 10973.74     | 10671.03     | 10532.54     | 10628.05     |
| 13 | 11483.05   | 11540.83    | 11641.41    | 11677.58    | 11600.07    | 11320.28     | 10919.85     | 10579.28     | 10427.06     | 10536.92     |
| 14 | 11439.20   | 11510.87    | 11641.02    | 11696.44    | 11616.68    | 11310.73     | 10866.30     | 10487.16     | 10316.78     | 10443.16     |
| 15 | 11384.96   | 11470.75    | 11636.87    | 11713.62    | 11632.64    | 11302.66     | 10810.83     | 10390.00     | 10206.62     | 10346.83     |
| 16 | 11323.40   | 11423.44    | 11629.78    | 11730.66    | 11651.89    | 11294.98     | 10753.57     | 10292.06     | 10093.52     | 10245.98     |
| 17 | 11254.29   | 11372.58    | 11619.25    | 11747.76    | 11670.71    | 11288.57     | 10698.57     | 10189.43     | 9976.37      | 10144.17     |
| 18 | 11177.22   | 11312.88    | 11604.97    | 11763.76    | 11686.59    | 11284.52     | 10641.17     | 10087.42     | 9859.32      | 10041.84     |
| 19 | 11096.73   | 11248.63    | 11584.78    | 11777.13    | 11703.77    | 11279.50     | 10586.73     | 9978.61      | 9735.85      | 9932.72      |
| 20 | 11009.49   | 11178.33    | 11557.31    | 11790.56    | 11719.77    | 11271.85     | 10531.19     | 9869.53      | 9610.65      | 9823.71      |
| 21 | 10915.34   | 11103.69    | 11527.16    | 11802.14    | 11736.45    | 11266.91     | 10477.53     | 9757.09      | 9484.49      | 9709.11      |
| 22 | 10817.58   | 11021.45    | 11491.10    | 11811.69    | 11754.46    | 11261.31     | 10424.60     | 9645.95      | 9354.85      | 9596.81      |
| 23 | 10708.91   | 10935.35    | 11451.53    | 11818.53    | 11771.08    | 11256.35     | 10368.21     | 9532.79      | 9222.56      | 9477.13      |
| 24 | 10595.75   | 10844.46    | 11408.16    | 11822.20    | 11786.40    | 11252.20     | 10313.88     | 9416.87      | 9087.56      | 9355.37      |
| 25 | 10471.45   | 10748.27    | 11362.06    | 11823.56    | 11801.06    | 11247.50     | 10257.07     | 9300.01      | 8956.31      | 9236.06      |
| 26 | 10342.22   | 10645.50    | 11315.79    | 11822.51    | 11816.73    | 11240.19     | 10198.58     | 9176.35      | 8818.34      | 9111.23      |
| 27 | 10205.86   | 10536.44    | 11266.77    | 11821.23    | 11832.58    | 11233.80     | 10140.17     | 9052.69      | 8681.34      | 8989.17      |
| 28 | 10062.66   | 10419.78    | 11213.63    | 11821.23    | 11847.11    | 11226.08     | 10082.30     | 8930.11      | 8546.02      | 8865.41      |
| 29 | 9911.68    | 10294.01    | 11156.73    | 11819.35    | 11859.50    | 11218.84     | 10026.12     | 8807.86      | 8405.53      | 8743.21      |
| 30 | 9755.03    | 10161.58    | 11097.23    | 11814.46    | 11871.93    | 11210.88     | 9970.56      | 8685.57      | 8264.23      | 8619.73      |
| 31 | 9600.20    | 10025.51    | 11034.99    | 11809.83    | 11885.04    | 11202.11     | 9913.72      | 8560.94      | 8121.25      | 8494.55      |
| 32 | 9435.05    | 9884.75     | 10970.15    | 11804.04    | 11894.94    | 11192.41     | 9851.38      | 8431.28      | 7972.43      | 8360.93      |
| 33 | 9271.48    | 9738.08     | 10900.42    | 11794.89    | 11902.06    | 11180.68     | 9788.84      | 8300.34      | 7817.08      | 8222.21      |
| 34 | 9103.53    | 9589.18     | 10824.72    | 11786.71    | 11908.19    | 11167.96     | 9726.55      | 8166.80      | 7658.21      | 8082.07      |
| 35 | 8936.75    | 9441.80     | 10748.41    | 11775.85    | 11915.25    | 11152.03     | 9664.80      | 8029.83      | 7485.00      | 7934.66      |
| 36 | 8770.33    | 9293.18     | 10667.87    | 11760.37    | 11920.69    | 11134.40     | 9603.72      | 7887.45      | 7304.39      | 7778.56      |
| 37 | 8603.78    | 9146.03     | 10585.39    | 11744.38    | 11925.78    | 11114.37     | 9538.60      | 7737.49      | 7123.83      | 7617.39      |
| 38 | 8433.65    | 8990.89     | 10497.61    | 11724.42    | 11929.95    | 11094.00     | 9470.80      | 7575.42      | 6938.68      | 7448.86      |
| 39 | 8258.34    | 8830.84     | 10404.78    | 11704.28    | 11935.92    | 11074.33     | 9400.62      | 7407.57      | 6755.69      | 7281.52      |
| 40 | 8078.11    | 8673.10     | 10310.46    | 11681.50    | 11941.96    | 11054.16     | 9329.27      | 7231.70      | 6567.00      | 7107.79      |
| 41 | 7897.50    | 8512.85     | 10212.27    | 11654.11    | 11949.38    | 11032.85     | 9260.33      | 7044.62      | 6374.39      | 6934.26      |
| 42 | 7712.97    | 8352.15     | 10111.26    | 11626.62    | 11957.88    | 11009.74     | 9187.80      | 6843.14      | 6166.97      | 6750.29      |
| 43 | 7520.64    | 8188.70     | 10009.04    | 11593.63    | 11961.99    | 10984.45     | 9112.25      | 6635.89      | 5957.32      | 6559.74      |
| 44 | 7327.96    | 8021.91     | 9901.09     | 11560.00    | 11960.46    | 10959.15     | 9033.05      | 6422.48      | 5753.90      | 6359.81      |
| 45 | 7136.85    | 7854.31     | 9792.50     | 11527.18    | 11954.23    | 10932.43     | 8948.28      | 6196.85      | 5552.54      | 6148.37      |
| 46 | 6942.33    | 7678.96     | 9675.50     | 11493.83    | 11948.47    | 10905.76     | 8862.34      | 5969.34      | 5352.56      | 5930.70      |
| 47 | 6753.74    | 7495.45     | 9559.61     | 11459.42    | 11946.92    | 10874.66     | 8773.33      | 5735.23      | 5150.30      | 5697.58      |
| 48 | 6553.22    | 7302.83     | 9440.47     | 11417.49    | 11951.30    | 10829.91     | 8680.98      | 5495.52      | 4948.10      | 5465.94      |
| 49 | 6338.67    | 7097.00     | 9319.36     | 11359.33    | 11958.82    | 10771.57     | 8573.96      | 5250.81      | 4738.94      | 5234.82      |
| 50 | 6102.30    | 6880.90     | 9204.31     | 11298.33    | 11967.29    | 10714.52     | 8468.40      | 5007.78      | 4533.88      | 5010.68      |
| 51 | 5839.44    | 6643.14     | 9087.82     | 11229.32    | 11980.81    | 10669.77     | 8357.85      | 4769.43      | 4331.75      | 4785.65      |
| 52 | 5549.33    | 6376.82     | 8969.61     | 11158.77    | 11996.98    | 10626.91     | 8231.00      | 4526.40      | 4132.98      | 4557.67      |
| 53 | 5233.31    | 6073.38     | 8855.49     | 11081.82    | 12017.12    | 10584.03     | 8097.99      | 4296.46      | 3943.03      | 4330.57      |

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**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

|     |         |         |         |          |          |          |         |         |         |         |
|-----|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|
| 54  | 4919.93 | 5729.31 | 8747.88 | 10999.26 | 12042.35 | 10541.84 | 7947.19 | 4069.29 | 3760.85 | 4106.42 |
| 55  | 4596.46 | 5349.36 | 8648.61 | 10914.38 | 12074.12 | 10501.30 | 7780.57 | 3851.47 | 3584.34 | 3880.43 |
| 56  | 4276.25 | 4945.03 | 8561.20 | 10827.72 | 12103.84 | 10461.08 | 7589.71 | 3643.07 | 3405.79 | 3661.53 |
| 57  | 3974.93 | 4531.62 | 8484.58 | 10735.32 | 12132.20 | 10425.06 | 7356.61 | 3445.48 | 3213.98 | 3453.76 |
| 58  | 3671.76 | 4128.07 | 8418.93 | 10636.79 | 12152.74 | 10389.89 | 7084.18 | 3248.51 | 3011.37 | 3249.15 |
| 59  | 3363.36 | 3737.24 | 8357.11 | 10527.98 | 12172.96 | 10356.66 | 6768.40 | 3045.02 | 2805.13 | 3041.31 |
| 60  | 3058.57 | 3376.60 | 8290.39 | 10410.67 | 12191.88 | 10318.26 | 6415.60 | 2833.96 | 2594.30 | 2826.55 |
| 61  | 2751.94 | 3031.63 | 8203.55 | 10286.07 | 12214.40 | 10283.55 | 6018.58 | 2607.37 | 2374.43 | 2606.81 |
| 62  | 2456.53 | 2705.58 | 8065.60 | 10155.26 | 12242.33 | 10256.32 | 5573.68 | 2386.28 | 2157.41 | 2389.46 |
| 63  | 2189.46 | 2409.95 | 7863.92 | 10032.83 | 12272.51 | 10244.40 | 5102.81 | 2163.12 | 1959.28 | 2179.04 |
| 64  | 1943.04 | 2134.74 | 7564.24 | 9918.13  | 12304.22 | 10241.17 | 4604.63 | 1949.92 | 1784.48 | 1970.61 |
| 65  | 1727.08 | 1882.68 | 7127.85 | 9823.21  | 12336.80 | 10255.89 | 4113.23 | 1749.18 | 1624.41 | 1779.37 |
| 66  | 1541.16 | 1655.82 | 6539.54 | 9755.78  | 12362.13 | 10290.26 | 3624.52 | 1566.61 | 1478.49 | 1600.94 |
| 67  | 1375.58 | 1459.52 | 5783.16 | 9729.34  | 12373.21 | 10357.07 | 3141.29 | 1426.88 | 1342.08 | 1457.53 |
| 68  | 1222.08 | 1287.59 | 4961.72 | 9757.07  | 12353.06 | 10448.81 | 2645.69 | 1287.16 | 1205.67 | 1314.11 |
| 69  | 1080.29 | 1136.00 | 4121.11 | 9822.52  | 12268.88 | 10547.90 | 2201.02 | 1147.51 | 1069.27 | 1170.71 |
| 70  | 951.49  | 999.62  | 3316.23 | 9929.01  | 12090.86 | 10622.03 | 1826.71 | 1032.29 | 963.36  | 1046.46 |
| 71  | 843.47  | 873.05  | 2675.26 | 10046.43 | 11818.15 | 10617.44 | 1549.64 | 919.82  | 875.90  | 934.89  |
| 72  | 747.81  | 766.17  | 2154.10 | 10158.75 | 11447.84 | 10528.22 | 1342.64 | 815.21  | 799.17  | 832.16  |
| 73  | 653.20  | 676.00  | 1774.72 | 10265.63 | 10910.04 | 10365.45 | 1135.94 | 715.34  | 727.59  | 733.64  |
| 74  | 586.92  | 605.55  | 1473.47 | 10363.33 | 10224.89 | 10163.67 | 953.93  | 623.70  | 665.56  | 640.87  |
| 75  | 521.08  | 535.40  | 1216.24 | 10420.03 | 9394.89  | 9893.75  | 783.92  | 541.93  | 614.86  | 559.90  |
| 76  | 455.24  | 465.25  | 941.64  | 10384.38 | 8476.06  | 9525.80  | 627.09  | 474.60  | 566.77  | 491.30  |
| 77  | 410.87  | 413.00  | 665.30  | 10113.16 | 7477.69  | 9090.35  | 503.19  | 417.58  | 513.75  | 430.98  |
| 78  | 368.80  | 365.26  | 547.33  | 9421.59  | 6344.52  | 8578.35  | 414.07  | 366.06  | 451.95  | 377.01  |
| 79  | 329.46  | 321.10  | 431.18  | 8350.42  | 5143.49  | 7686.06  | 347.18  | 318.29  | 401.40  | 327.12  |
| 80  | 295.93  | 277.58  | 315.04  | 6974.93  | 3924.36  | 6339.06  | 291.39  | 272.52  | 355.07  | 280.15  |
| 81  | 261.10  | 236.19  | 264.48  | 5542.34  | 2841.88  | 4834.34  | 241.79  | 230.32  | 309.60  | 237.06  |
| 82  | 226.03  | 198.70  | 220.45  | 4239.54  | 2070.62  | 3546.08  | 199.31  | 194.03  | 263.02  | 199.82  |
| 83  | 189.43  | 165.09  | 179.68  | 3237.38  | 1756.39  | 2559.06  | 164.09  | 162.18  | 214.68  | 166.68  |
| 84  | 154.96  | 133.10  | 142.66  | 2436.01  | 1442.16  | 1966.20  | 128.87  | 130.33  | 171.61  | 133.54  |
| 85  | 122.06  | 103.24  | 108.25  | 1798.92  | 1130.41  | 1373.35  | 93.78   | 98.26   | 128.55  | 100.12  |
| 86  | 89.82   | 75.24   | 78.95   | 1286.80  | 933.68   | 790.21   | 65.51   | 54.54   | 85.49   | 53.98   |
| 87  | 57.27   | 52.00   | 55.82   | 893.27   | 680.59   | 478.96   | 44.36   | 36.57   | 42.42   | 36.03   |
| 88  | 31.21   | 28.91   | 32.70   | 529.74   | 462.94   | 359.06   | 23.20   | 18.60   | 0.40    | 18.08   |
| 89  | 5.39    | 5.82    | 9.57    | 353.05   | 245.30   | 239.17   | 2.54    | 1.02    | 0.45    | 0.57    |
| 90  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 91  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 92  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 93  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 94  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 95  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 96  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 97  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 98  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 99  | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 100 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 101 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 102 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 103 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 104 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 105 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 106 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 107 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 108 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |
| 109 | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    | 0.00    | 0.00    |

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**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Vert. 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  | 11471.70     | 11471.70     | 11471.70     | 11471.70     | 11471.70     | 11471.70     | 11471.70     |
| 1  | 11437.37     | 11452.34     | 11468.89     | 11483.33     | 11495.53     | 11504.19     | 11509.71     |
| 2  | 11400.22     | 11434.12     | 11468.46     | 11495.97     | 11515.82     | 11530.21     | 11537.88     |
| 3  | 11358.05     | 11415.83     | 11468.25     | 11507.80     | 11532.30     | 11549.55     | 11559.62     |
| 4  | 11314.75     | 11399.47     | 11471.75     | 11520.07     | 11545.01     | 11562.52     | 11574.30     |
| 5  | 11271.60     | 11382.98     | 11477.20     | 11532.60     | 11555.66     | 11571.34     | 11583.59     |
| 6  | 11225.26     | 11367.90     | 11485.93     | 11546.54     | 11566.62     | 11576.37     | 11586.55     |
| 7  | 11179.25     | 11353.54     | 11494.63     | 11559.98     | 11575.16     | 11578.67     | 11587.18     |
| 8  | 11129.22     | 11337.47     | 11501.96     | 11572.25     | 11583.29     | 11578.93     | 11585.30     |
| 9  | 11079.07     | 11319.42     | 11508.18     | 11582.01     | 11589.94     | 11576.66     | 11577.82     |
| 10 | 11026.94     | 11300.44     | 11511.63     | 11589.88     | 11594.23     | 11569.17     | 11565.42     |
| 11 | 10973.40     | 11280.93     | 11515.62     | 11595.23     | 11597.02     | 11555.75     | 11546.48     |
| 12 | 10916.79     | 11262.11     | 11522.70     | 11600.89     | 11596.47     | 11537.65     | 11519.10     |
| 13 | 10858.55     | 11247.51     | 11534.34     | 11608.32     | 11591.06     | 11511.70     | 11483.05     |
| 14 | 10801.18     | 11233.74     | 11545.60     | 11619.12     | 11583.42     | 11479.82     | 11439.20     |
| 15 | 10744.80     | 11220.50     | 11555.88     | 11631.58     | 11571.19     | 11441.30     | 11384.96     |
| 16 | 10688.64     | 11209.29     | 11567.30     | 11644.53     | 11554.61     | 11396.30     | 11323.40     |
| 17 | 10630.45     | 11196.95     | 11577.57     | 11655.85     | 11537.45     | 11342.54     | 11254.29     |
| 18 | 10574.26     | 11183.47     | 11588.18     | 11667.09     | 11516.92     | 11283.53     | 11177.22     |
| 19 | 10516.71     | 11169.92     | 11598.94     | 11674.40     | 11494.73     | 11216.48     | 11096.73     |
| 20 | 10457.42     | 11158.83     | 11610.00     | 11682.27     | 11467.24     | 11145.63     | 11009.49     |
| 21 | 10398.52     | 11147.62     | 11620.41     | 11689.26     | 11435.97     | 11069.66     | 10915.34     |
| 22 | 10337.63     | 11135.10     | 11632.29     | 11693.09     | 11401.40     | 10986.54     | 10817.58     |
| 23 | 10272.70     | 11122.98     | 11644.52     | 11694.41     | 11361.75     | 10899.97     | 10708.91     |
| 24 | 10210.32     | 11113.15     | 11657.28     | 11697.93     | 11316.65     | 10806.57     | 10595.75     |
| 25 | 10146.62     | 11104.14     | 11668.76     | 11699.08     | 11269.39     | 10708.20     | 10471.45     |
| 26 | 10084.13     | 11092.45     | 11681.06     | 11698.67     | 11220.41     | 10606.67     | 10342.22     |
| 27 | 10021.05     | 11080.41     | 11695.26     | 11698.04     | 11168.33     | 10498.05     | 10205.86     |
| 28 | 9957.81      | 11068.79     | 11707.20     | 11698.04     | 11113.58     | 10383.94     | 10062.66     |
| 29 | 9891.08      | 11059.41     | 11718.27     | 11696.59     | 11055.30     | 10261.91     | 9911.68      |
| 30 | 9822.48      | 11052.30     | 11729.79     | 11693.00     | 10993.72     | 10137.18     | 9755.03      |
| 31 | 9752.56      | 11044.25     | 11737.75     | 11689.63     | 10931.17     | 10008.46     | 9600.20      |
| 32 | 9680.98      | 11032.62     | 11744.40     | 11690.42     | 10867.05     | 9875.41      | 9435.05      |
| 33 | 9609.55      | 11019.53     | 11749.71     | 11686.23     | 10802.19     | 9736.90      | 9271.48      |
| 34 | 9541.78      | 11004.70     | 11755.32     | 11680.42     | 10732.10     | 9596.65      | 9103.53      |
| 35 | 9474.20      | 10988.82     | 11761.25     | 11673.21     | 10657.31     | 9455.99      | 8936.75      |
| 36 | 9405.23      | 10971.12     | 11765.49     | 11666.44     | 10579.72     | 9310.90      | 8770.33      |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES**

**CANDELA TABULATION - (Cont.)**

|    |         |          |          |          |          |         |         |
|----|---------|----------|----------|----------|----------|---------|---------|
| 37 | 9334.28 | 10957.17 | 11772.86 | 11652.51 | 10502.09 | 9164.73 | 8603.78 |
| 38 | 9262.91 | 10941.83 | 11782.34 | 11634.41 | 10418.36 | 9013.50 | 8433.65 |
| 39 | 9190.70 | 10921.82 | 11794.97 | 11616.71 | 10329.19 | 8857.15 | 8258.34 |
| 40 | 9116.53 | 10899.71 | 11814.69 | 11598.13 | 10235.19 | 8703.49 | 8078.11 |
| 41 | 9042.04 | 10875.48 | 11840.64 | 11577.24 | 10138.80 | 8544.91 | 7897.50 |
| 42 | 8967.47 | 10845.95 | 11870.26 | 11554.18 | 10037.94 | 8388.89 | 7712.97 |
| 43 | 8893.19 | 10814.59 | 11905.66 | 11529.94 | 9931.68  | 8231.61 | 7520.64 |
| 44 | 8813.62 | 10787.95 | 11934.17 | 11503.41 | 9823.94  | 8069.36 | 7327.96 |
| 45 | 8730.77 | 10769.13 | 11945.75 | 11477.96 | 9711.13  | 7905.50 | 7136.85 |
| 46 | 8646.05 | 10757.91 | 11933.09 | 11455.17 | 9601.00  | 7730.97 | 6942.33 |
| 47 | 8560.38 | 10753.62 | 11917.39 | 11441.45 | 9489.06  | 7552.04 | 6753.74 |
| 48 | 8469.94 | 10749.13 | 11916.02 | 11426.95 | 9375.28  | 7361.11 | 6553.22 |
| 49 | 8376.22 | 10722.22 | 11928.64 | 11393.54 | 9258.34  | 7155.08 | 6338.67 |
| 50 | 8271.90 | 10679.30 | 11949.92 | 11330.34 | 9147.33  | 6941.88 | 6102.30 |
| 51 | 8155.52 | 10642.80 | 11977.49 | 11269.06 | 9032.01  | 6705.96 | 5839.44 |
| 52 | 8013.38 | 10619.92 | 12013.15 | 11215.63 | 8921.06  | 6447.77 | 5549.33 |
| 53 | 7861.66 | 10601.82 | 12052.17 | 11171.14 | 8816.49  | 6164.56 | 5233.31 |
| 54 | 7687.38 | 10582.97 | 12093.15 | 11122.27 | 8721.41  | 5850.92 | 4919.93 |
| 55 | 7493.26 | 10566.57 | 12141.18 | 11076.94 | 8634.95  | 5499.24 | 4596.46 |
| 56 | 7282.79 | 10554.33 | 12193.05 | 11027.56 | 8563.95  | 5135.80 | 4276.25 |
| 57 | 7032.13 | 10540.28 | 12242.60 | 10973.33 | 8506.64  | 4755.44 | 3974.93 |
| 58 | 6740.09 | 10524.39 | 12290.43 | 10914.36 | 8463.70  | 4366.54 | 3671.76 |
| 59 | 6397.25 | 10502.95 | 12337.66 | 10848.35 | 8427.88  | 3988.32 | 3363.36 |
| 60 | 6015.25 | 10482.01 | 12390.24 | 10773.21 | 8396.54  | 3619.10 | 3058.57 |
| 61 | 5593.04 | 10458.99 | 12443.14 | 10693.79 | 8345.27  | 3253.65 | 2751.94 |
| 62 | 5117.80 | 10432.08 | 12496.17 | 10608.95 | 8257.77  | 2885.40 | 2456.53 |
| 63 | 4628.30 | 10407.45 | 12551.07 | 10522.20 | 8115.68  | 2538.52 | 2189.46 |
| 64 | 4118.96 | 10381.35 | 12602.57 | 10437.06 | 7895.44  | 2229.11 | 1943.04 |
| 65 | 3631.93 | 10360.01 | 12638.41 | 10349.58 | 7557.94  | 1952.38 | 1727.08 |
| 66 | 3129.89 | 10354.76 | 12674.24 | 10258.08 | 7069.73  | 1717.17 | 1541.16 |
| 67 | 2644.41 | 10371.61 | 12710.07 | 10185.89 | 6377.74  | 1514.46 | 1375.58 |
| 68 | 2201.56 | 10409.16 | 12714.82 | 10138.41 | 5568.33  | 1334.54 | 1222.08 |
| 69 | 1830.54 | 10466.39 | 12657.15 | 10097.19 | 4703.50  | 1172.71 | 1080.29 |
| 70 | 1584.67 | 10508.98 | 12512.95 | 10045.66 | 3845.59  | 1025.61 | 951.49  |
| 71 | 1338.80 | 10497.49 | 12302.77 | 9965.81  | 3066.02  | 891.96  | 843.47  |
| 72 | 1093.17 | 10447.15 | 12010.39 | 9856.54  | 2484.14  | 777.14  | 747.81  |
| 73 | 907.83  | 10343.34 | 11593.64 | 9715.88  | 2055.01  | 680.07  | 653.20  |
| 74 | 757.24  | 10156.18 | 11019.91 | 9561.65  | 1689.80  | 606.18  | 586.92  |
| 75 | 642.50  | 9891.75  | 10302.72 | 9453.38  | 1371.92  | 532.72  | 521.08  |
| 76 | 553.46  | 9544.53  | 9488.65  | 9412.06  | 1100.55  | 459.26  | 455.24  |
| 77 | 474.94  | 9060.51  | 8594.22  | 9349.01  | 839.72   | 407.96  | 410.87  |
| 78 | 403.84  | 8392.66  | 7537.39  | 9164.78  | 613.64   | 362.22  | 368.80  |
| 79 | 343.51  | 7471.69  | 6391.26  | 8747.29  | 504.24   | 318.29  | 329.46  |
| 80 | 290.58  | 6064.63  | 5152.41  | 8018.80  | 396.16   | 274.82  | 295.93  |
| 81 | 242.95  | 4471.49  | 3913.30  | 6890.44  | 288.07   | 234.28  | 261.10  |
| 82 | 201.39  | 3180.48  | 2674.20  | 5558.27  | 238.83   | 195.68  | 226.03  |
| 83 | 166.25  | 2283.17  | 1988.88  | 4379.70  | 196.49   | 161.79  | 189.43  |
| 84 | 131.12  | 1777.07  | 1626.43  | 3361.77  | 156.24   | 130.77  | 154.96  |
| 85 | 96.09   | 1270.97  | 1408.15  | 2494.21  | 119.56   | 102.24  | 122.06  |
| 86 | 67.54   | 771.92   | 1185.63  | 1768.62  | 86.98    | 75.02   | 89.82   |
| 87 | 45.76   | 488.49   | 903.74   | 1225.34  | 56.92    | 52.06   | 57.27   |
| 88 | 23.98   | 366.09   | 574.02   | 698.84   | 33.98    | 29.10   | 31.21   |
| 89 | 2.64    | 243.69   | 428.83   | 463.33   | 11.05    | 6.14    | 5.39    |
| 90 | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    |
| 91 | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    |
| 92 | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00    | 0.00    |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES

CANDELA TABULATION - (Cont.)

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| 93  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES

CANDELA TABULATION - (Cont.)

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 4252.69  | N.A.  | 10.40  |
| 0-30    | 9210.51  | N.A.  | 22.50  |
| 0-40    | 15518.94 | N.A.  | 37.90  |
| 0-60    | 29662.56 | N.A.  | 72.40  |
| 0-80    | 40048.52 | N.A.  | 97.80  |
| 0-90    | 40963.19 | N.A.  | 100.00 |
| 10-90   | 39875.05 | N.A.  | 97.30  |
| 20-40   | 11266.25 | N.A.  | 27.50  |
| 20-50   | 18339.56 | N.A.  | 44.80  |
| 40-70   | 20246.55 | N.A.  | 49.40  |
| 60-80   | 10385.96 | N.A.  | 25.40  |
| 70-80   | 4283.03  | N.A.  | 10.50  |
| 80-90   | 914.67   | N.A.  | 2.20   |
| 90-110  | 0.00     | N.A.  | 0.00   |
| 90-120  | 0.00     | N.A.  | 0.00   |
| 90-130  | 0.00     | N.A.  | 0.00   |
| 90-150  | 0.00     | N.A.  | 0.00   |
| 90-180  | 0.00     | N.A.  | 0.00   |
| 110-180 | 0.00     | N.A.  | 0.00   |
| 0-180   | 40963.19 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 1088.14 |
| 10-20   | 3164.55 |
| 20-30   | 4957.82 |
| 30-40   | 6308.43 |
| 40-50   | 7073.31 |
| 50-60   | 7070.31 |
| 60-70   | 6102.93 |
| 70-80   | 4283.03 |
| 80-90   | 914.67  |
| 90-100  | 0.00    |
| 100-110 | 0.00    |
| 110-120 | 0.00    |
| 120-130 | 0.00    |
| 130-140 | 0.00    |
| 140-150 | 0.00    |
| 150-160 | 0.00    |
| 160-170 | 0.00    |
| 170-180 | 0.00    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.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 | 102 | 98  | 93  | 105 | 100 | 96  | 92  | 96  | 92  | 89  | 92  | 89  | 86  | 88  | 86  | 83  | 81  |
| 2  | 97  | 88  | 80  | 74  | 94  | 86  | 79  | 73  | 82  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 68  | 66  |
| 3  | 88  | 76  | 67  | 60  | 85  | 74  | 66  | 60  | 71  | 64  | 58  | 69  | 62  | 57  | 66  | 61  | 56  | 54  |
| 4  | 80  | 67  | 57  | 50  | 77  | 65  | 57  | 50  | 63  | 55  | 49  | 60  | 54  | 48  | 58  | 52  | 48  | 45  |
| 5  | 73  | 59  | 50  | 42  | 71  | 58  | 49  | 42  | 56  | 48  | 42  | 54  | 47  | 41  | 52  | 46  | 41  | 39  |
| 6  | 67  | 53  | 43  | 37  | 65  | 52  | 43  | 36  | 50  | 42  | 36  | 48  | 41  | 36  | 47  | 40  | 35  | 33  |
| 7  | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 32  | 44  | 37  | 31  | 42  | 36  | 31  | 29  |
| 8  | 58  | 43  | 34  | 28  | 56  | 43  | 34  | 28  | 41  | 34  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 26  |
| 9  | 54  | 40  | 31  | 25  | 52  | 39  | 31  | 25  | 38  | 30  | 25  | 37  | 30  | 25  | 36  | 29  | 25  | 23  |
| 10 | 50  | 37  | 28  | 23  | 49  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 33  | 27  | 22  | 21  |

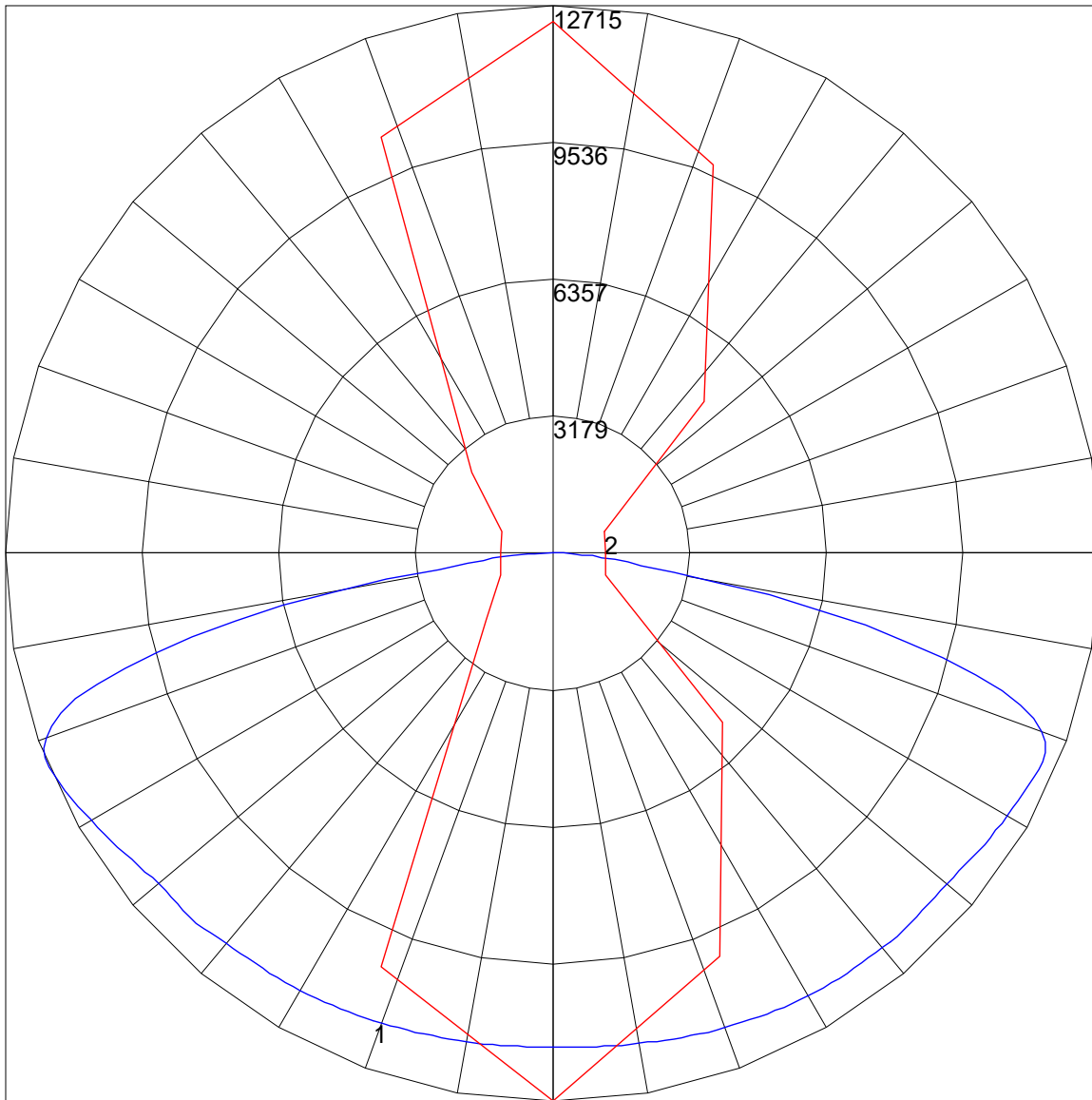
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MPLSEL40HTT3HV-40000LM4K.IES**

**UGR TABLE - CORRECTED**

| Reflectances   |      |                      |      |      |      |      |                    |      |      |      |      |
|----------------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| Ceiling Cavity | 70   | 70                   | 50   | 50   | 30   | 70   | 70                 | 50   | 50   | 30   |      |
| Walls          | 50   | 30                   | 50   | 30   | 30   | 50   | 30                 | 50   | 30   | 30   |      |
| Floor Cavity   | 20   | 20                   | 20   | 20   | 20   | 20   | 20                 | 20   | 20   | 20   |      |
| Room Size      |      | UGR Viewed Crosswise |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
| X=2H           | Y=2H | 26.3                 | 28.0 | 26.7 | 28.3 | 28.7 | 32.8               | 34.5 | 33.1 | 34.8 | 35.1 |
|                | 3H   | 26.7                 | 28.2 | 27.0 | 28.6 | 28.9 | 36.6               | 38.1 | 36.9 | 38.5 | 38.8 |
|                | 4H   | 26.7                 | 28.2 | 27.1 | 28.6 | 28.9 | 38.2               | 39.7 | 38.6 | 40.0 | 40.4 |
|                | 6H   | 26.8                 | 28.1 | 27.2 | 28.5 | 28.9 | 39.1               | 40.5 | 39.5 | 40.9 | 41.2 |
|                | 8H   | 26.7                 | 28.1 | 27.2 | 28.5 | 28.9 | 39.2               | 40.5 | 39.6 | 40.9 | 41.3 |
|                | 12H  | 26.7                 | 28.0 | 27.2 | 28.4 | 28.8 | 39.2               | 40.5 | 39.7 | 40.9 | 41.3 |
| 4H             | 2H   | 29.2                 | 30.7 | 29.6 | 31.0 | 31.4 | 33.0               | 34.5 | 33.4 | 34.9 | 35.3 |
|                | 3H   | 29.5                 | 30.8 | 29.9 | 31.2 | 31.6 | 37.1               | 38.3 | 37.5 | 38.7 | 39.1 |
|                | 4H   | 29.5                 | 30.7 | 30.0 | 31.1 | 31.5 | 39.2               | 40.4 | 39.6 | 40.8 | 41.2 |
|                | 6H   | 29.6                 | 30.6 | 30.0 | 31.0 | 31.5 | 40.5               | 41.5 | 40.9 | 41.9 | 42.4 |
|                | 8H   | 29.6                 | 30.5 | 30.0 | 30.9 | 31.4 | 40.6               | 41.6 | 41.1 | 42.0 | 42.5 |
|                | 12H  | 29.6                 | 30.4 | 30.0 | 30.9 | 31.4 | 40.7               | 41.6 | 41.2 | 42.0 | 42.5 |
| 8H             | 4H   | 31.1                 | 32.1 | 31.6 | 32.5 | 33.0 | 39.2               | 40.2 | 39.7 | 40.6 | 41.1 |
|                | 6H   | 31.1                 | 31.9 | 31.6 | 32.4 | 32.9 | 40.7               | 41.5 | 41.2 | 42.0 | 42.5 |
|                | 8H   | 31.1                 | 31.8 | 31.6 | 32.3 | 32.8 | 41.0               | 41.7 | 41.5 | 42.2 | 42.7 |
|                | 12H  | 31.1                 | 31.7 | 31.6 | 32.2 | 32.8 | 41.1               | 41.7 | 41.6 | 42.2 | 42.8 |
| 12H            | 4H   | 32.0                 | 32.9 | 32.5 | 33.3 | 33.8 | 39.2               | 40.1 | 39.7 | 40.5 | 41.0 |
|                | 6H   | 32.0                 | 32.7 | 32.5 | 33.2 | 33.7 | 40.7               | 41.4 | 41.2 | 41.9 | 42.4 |
|                | 8H   | 32.0                 | 32.6 | 32.5 | 33.1 | 33.7 | 41.0               | 41.6 | 41.5 | 42.1 | 42.6 |

Maximum UGR = 42.8

POLAR GRAPH



Maximum Candela = 12714.82 Located At Horizontal Angle = 270, Vertical Angle = 68  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)