

**PHILIPS****PHILIPS****Day-Brite****CFI****IES INDOOR REPORT****PHOTOMETRIC FILENAME : APX12LL40-UNV-A-LFP.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] FO33974.PSO

[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUEDATE] 12/23/14

[MANUFAC] PHILIPS DAY-BRITE - PHILIPS CFI

[LUMCAT] APX12LL40-UNV-A-LFP

[LUMINAIRE] PHILIPS APX 4-LP 3.2.1 4000K BOARDS 95W DRIVER AISLE OPTICS NO RESISTOR DP-FR50 LENS

[LAMP] LED. LUMINAIRE OUTPUT = 11461 LMS

[TESTDATE] 12/23/14

**CHARACTERISTICS**

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 11461               |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 120                 |
| Total Luminaire Watts           | 95.7                |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Direct              |
| Spacing Criterion (0-180)       | 1.20                |
| Spacing Criterion (90-270)      | 0.66                |
| Spacing Criterion (Diagonal)    | 0.86                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 4.29 ft             |
| Luminous Width (90-270)         | 1.27 ft             |
| Luminous Height                 | 0.50 ft             |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 9370             | 3333              | 2743              |
| 55                  | 5452             | 2112              | 1837              |
| 65                  | 3275             | 1428              | 1359              |
| 75                  | 2070             | 1009              | 1048              |
| 85                  | 921              | 643               | 811               |

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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> |
|-------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0   | 9150.34    | 9150.34     | 9150.34     | 9150.34     | 9150.34     | 9150.34      | 9150.34      | 9150.34      | 9150.34      | 9150.34      |
| 2.5   | 9161.02    | 9142.52     | 9112.30     | 9036.53     | 8981.19     | 9036.53      | 9112.30      | 9142.52      | 9161.02      | 9142.52      |
| 5.0   | 9149.72    | 9079.19     | 8939.16     | 8768.56     | 8669.50     | 8768.56      | 8939.16      | 9079.19      | 9149.72      | 9079.19      |
| 7.5   | 9125.78    | 8977.19     | 8652.95     | 8322.94     | 8181.31     | 8322.94      | 8652.95      | 8977.19      | 9125.78      | 8977.19      |
| 10.0  | 9084.13    | 8839.04     | 8277.32     | 7758.32     | 7551.38     | 7758.32      | 8277.32      | 8839.04      | 9084.13      | 8839.04      |
| 12.5  | 9022.64    | 8656.16     | 7816.84     | 7105.14     | 6857.67     | 7105.14      | 7816.84      | 8656.16      | 9022.64      | 8656.16      |
| 15.0  | 8933.48    | 8422.79     | 7284.20     | 6415.33     | 6127.63     | 6415.33      | 7284.20      | 8422.79      | 8933.48      | 8422.79      |
| 17.5  | 8810.16    | 8130.20     | 6707.10     | 5707.18     | 5406.69     | 5707.18      | 6707.10      | 8130.20      | 8810.16      | 8130.20      |
| 20.0  | 8640.20    | 7776.88     | 6103.90     | 5035.10     | 4737.73     | 5035.10      | 6103.90      | 7776.88      | 8640.20      | 7776.88      |
| 22.5  | 8414.47    | 7360.06     | 5482.77     | 4425.90     | 4149.44     | 4425.90      | 5482.77      | 7360.06      | 8414.47      | 7360.06      |
| 25.0  | 8122.47    | 6885.81     | 4874.82     | 3867.19     | 3620.01     | 3867.19      | 4874.82      | 6885.81      | 8122.47      | 6885.81      |
| 27.5  | 7743.62    | 6361.12     | 4302.69     | 3379.35     | 3164.86     | 3379.35      | 4302.69      | 6361.12      | 7743.62      | 6361.12      |
| 30.0  | 7315.12    | 5798.96     | 3769.09     | 2967.34     | 2786.65     | 2967.34      | 3769.09      | 5798.96      | 7315.12      | 5798.96      |
| 32.5  | 6801.53    | 5203.99     | 3289.25     | 2607.25     | 2463.90     | 2607.25      | 3289.25      | 5203.99      | 6801.53      | 5203.99      |
| 35.0  | 6230.72    | 4610.40     | 2858.57     | 2294.84     | 2185.13     | 2294.84      | 2858.57      | 4610.40      | 6230.72      | 4610.40      |
| 37.5  | 5606.20    | 4031.26     | 2475.11     | 2031.25     | 1943.48     | 2031.25      | 2475.11      | 4031.26      | 5606.20      | 4031.26      |
| 40.0  | 4974.51    | 3482.92     | 2145.51     | 1801.80     | 1733.01     | 1801.80      | 2145.51      | 3482.92      | 4974.51      | 3482.92      |
| 42.5  | 4353.38    | 2980.48     | 1867.00     | 1595.88     | 1542.79     | 1595.88      | 2980.48      | 4353.38      | 2980.48      | 1867.00      |
| 45.0  | 3748.13    | 2538.30     | 1624.65     | 1412.65     | 1369.57     | 1412.65      | 2538.30      | 3748.13      | 2538.30      | 1624.65      |
| 47.5  | 3185.26    | 2150.42     | 1412.87     | 1248.69     | 1214.49     | 1248.69      | 2150.42      | 3185.26      | 2150.42      | 1412.87      |
| 50.0  | 2670.22    | 1813.41     | 1228.16     | 1099.46     | 1072.53     | 1099.46      | 1228.16      | 1813.41      | 2670.22      | 1813.41      |
| 52.5  | 2227.99    | 1532.82     | 1068.43     | 964.76      | 944.19      | 964.76       | 1068.43      | 1532.82      | 2227.99      | 1532.82      |
| 55.0  | 1848.05    | 1301.06     | 929.91      | 847.86      | 834.00      | 847.86       | 929.91       | 1301.06      | 1848.05      | 1301.06      |
| 57.5  | 1536.91    | 1107.52     | 811.40      | 748.53      | 742.74      | 748.53       | 811.40       | 1107.52      | 1536.91      | 1107.52      |
| 60.0  | 1274.15    | 943.23      | 709.23      | 663.91      | 666.02      | 663.91       | 709.23       | 943.23       | 1274.15      | 943.23       |
| 62.5  | 1057.35    | 803.39      | 620.18      | 591.46      | 598.58      | 591.46       | 620.18       | 803.39       | 1057.35      | 803.39       |
| 65.0  | 876.49     | 684.98      | 542.21      | 527.39      | 536.71      | 527.39       | 542.21       | 684.98       | 876.49       | 684.98       |
| 67.5  | 725.86     | 582.65      | 474.35      | 468.30      | 478.99      | 468.30       | 474.35       | 582.65       | 725.86       | 582.65       |
| 70.0  | 599.15     | 492.49      | 414.32      | 415.18      | 427.12      | 415.18       | 414.32       | 492.49       | 599.15       | 492.49       |
| 72.5  | 487.57     | 412.16      | 360.39      | 368.06      | 381.17      | 368.06       | 412.16       | 487.57       | 412.16       | 360.39       |
| 75.0  | 389.54     | 339.47      | 310.52      | 324.19      | 339.20      | 324.19       | 310.52       | 339.47       | 389.54       | 339.47       |
| 77.5  | 300.31     | 272.35      | 263.67      | 283.07      | 299.89      | 283.07       | 263.67       | 272.35       | 300.31       | 272.35       |
| 80.0  | 221.60     | 210.54      | 219.89      | 245.23      | 263.36      | 245.23       | 219.89       | 210.54       | 221.60       | 210.54       |
| 82.5  | 151.69     | 155.62      | 179.80      | 210.18      | 229.45      | 210.18       | 179.80       | 155.62       | 151.69       | 155.62       |
| 85.0  | 94.81      | 110.33      | 145.50      | 177.83      | 196.93      | 177.83       | 145.50       | 110.33       | 94.81        | 110.33       |
| 87.5  | 54.94      | 79.17       | 119.63      | 150.90      | 168.54      | 150.90       | 119.63       | 79.17        | 54.94        | 79.17        |
| 90.0  | 38.68      | 59.46       | 97.14       | 125.37      | 140.63      | 125.37       | 97.14        | 59.46        | 38.68        | 59.46        |
| 92.5  | 35.55      | 49.29       | 79.17       | 102.62      | 115.16      | 102.62       | 79.17        | 49.29        | 35.55        | 49.29        |
| 95.0  | 33.92      | 44.47       | 66.61       | 84.69       | 94.37       | 84.69        | 66.61        | 44.47        | 33.92        | 44.47        |
| 97.5  | 32.78      | 40.32       | 58.53       | 72.35       | 79.42       | 72.35        | 58.53        | 40.32        | 32.78        | 40.32        |
| 100.0 | 31.61      | 36.62       | 52.62       | 64.14       | 69.37       | 64.14        | 52.62        | 36.62        | 31.61        | 36.62        |
| 102.5 | 29.93      | 33.36       | 48.14       | 58.88       | 63.26       | 58.88        | 48.14        | 33.36        | 29.93        | 33.36        |
| 105.0 | 27.97      | 30.44       | 44.78       | 55.46       | 59.51       | 55.46        | 44.78        | 30.44        | 27.97        | 30.44        |
| 107.5 | 25.73      | 27.74       | 41.66       | 52.41       | 56.66       | 52.41        | 41.66        | 27.74        | 25.73        | 27.74        |
| 110.0 | 23.31      | 24.98       | 38.80       | 49.81       | 54.09       | 49.81        | 38.80        | 24.98        | 23.31        | 24.98        |
| 112.5 | 20.77      | 22.13       | 35.98       | 47.17       | 51.54       | 47.17        | 35.98        | 22.13        | 20.77        | 22.13        |
| 115.0 | 18.30      | 19.19       | 33.15       | 44.29       | 48.82       | 44.29        | 33.15        | 19.19        | 18.30        | 19.19        |
| 117.5 | 15.88      | 16.37       | 30.30       | 41.39       | 46.03       | 41.39        | 30.30        | 16.37        | 15.88        | 16.37        |
| 120.0 | 13.89      | 13.71       | 27.37       | 38.55       | 43.19       | 38.55        | 27.37        | 13.71        | 13.89        | 13.71        |
| 122.5 | 11.87      | 11.33       | 24.45       | 35.57       | 39.89       | 35.57        | 24.45        | 11.33        | 11.87        | 11.33        |
| 125.0 | 10.09      | 9.11        | 21.53       | 32.30       | 36.88       | 32.30        | 21.53        | 9.11         | 10.09        | 9.11         |
| 127.5 | 8.52       | 7.03        | 18.58       | 29.23       | 33.94       | 29.23        | 18.58        | 7.03         | 8.52         | 7.03         |
| 130.0 | 7.11       | 5.39        | 15.71       | 26.27       | 30.59       | 26.27        | 15.71        | 5.39         | 7.11         | 5.39         |
| 132.5 | 5.94       | 4.46        | 12.99       | 23.23       | 27.32       | 23.23        | 12.99        | 4.46         | 5.94         | 4.46         |

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**CANDELA TABULATION - (Cont.)**

|       |      |      |       |       |       |       |       |      |      |      |
|-------|------|------|-------|-------|-------|-------|-------|------|------|------|
| 135.0 | 4.83 | 3.74 | 10.39 | 20.11 | 23.95 | 20.11 | 10.39 | 3.74 | 4.83 | 3.74 |
| 137.5 | 3.90 | 3.00 | 7.90  | 17.00 | 20.63 | 17.00 | 7.90  | 3.00 | 3.90 | 3.00 |
| 140.0 | 2.96 | 2.38 | 5.65  | 14.08 | 17.23 | 14.08 | 5.65  | 2.38 | 2.96 | 2.38 |
| 142.5 | 2.18 | 1.76 | 3.77  | 11.27 | 14.18 | 11.27 | 3.77  | 1.76 | 2.18 | 1.76 |
| 145.0 | 1.47 | 1.28 | 2.17  | 8.68  | 11.21 | 8.68  | 2.17  | 1.28 | 1.47 | 1.28 |
| 147.5 | 0.86 | 0.84 | 1.03  | 6.31  | 8.45  | 6.31  | 1.03  | 0.84 | 0.86 | 0.84 |
| 150.0 | 0.49 | 0.49 | 0.18  | 4.19  | 5.95  | 4.19  | 0.18  | 0.49 | 0.49 | 0.49 |
| 152.5 | 0.15 | 0.29 | 0.25  | 2.31  | 3.79  | 2.31  | 0.25  | 0.29 | 0.15 | 0.29 |
| 155.0 | 0.00 | 0.32 | 0.35  | 0.90  | 2.03  | 0.90  | 0.35  | 0.32 | 0.00 | 0.32 |
| 157.5 | 0.10 | 0.34 | 0.44  | 0.33  | 0.78  | 0.33  | 0.44  | 0.34 | 0.10 | 0.34 |
| 160.0 | 0.17 | 0.37 | 0.51  | 0.46  | 0.44  | 0.46  | 0.51  | 0.37 | 0.17 | 0.37 |
| 162.5 | 0.29 | 0.49 | 0.60  | 0.57  | 0.51  | 0.57  | 0.60  | 0.49 | 0.29 | 0.49 |
| 165.0 | 0.40 | 0.49 | 0.57  | 0.63  | 0.59  | 0.63  | 0.57  | 0.49 | 0.40 | 0.49 |
| 167.5 | 0.33 | 0.42 | 0.45  | 0.62  | 0.67  | 0.62  | 0.45  | 0.42 | 0.33 | 0.42 |
| 170.0 | 0.36 | 0.39 | 0.44  | 0.62  | 0.74  | 0.62  | 0.44  | 0.39 | 0.36 | 0.39 |
| 172.5 | 0.57 | 0.58 | 0.54  | 0.65  | 0.84  | 0.65  | 0.54  | 0.58 | 0.57 | 0.58 |
| 175.0 | 0.70 | 0.78 | 0.69  | 0.77  | 0.89  | 0.77  | 0.69  | 0.78 | 0.70 | 0.78 |
| 177.5 | 0.80 | 0.83 | 0.57  | 0.83  | 0.98  | 0.83  | 0.57  | 0.83 | 0.80 | 0.83 |
| 180.0 | 0.79 | 0.79 | 0.79  | 0.79  | 0.79  | 0.79  | 0.79  | 0.79 | 0.79 | 0.79 |

**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> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 9150.34      | 9150.34      | 9150.34      | 9150.34      | 9150.34      | 9150.34      | 9150.34      |
| 2.5  | 9112.30      | 9036.53      | 8981.19      | 9036.53      | 9112.30      | 9142.52      | 9161.02      |
| 5.0  | 8939.16      | 8768.56      | 8669.50      | 8768.56      | 8939.16      | 9079.19      | 9149.72      |
| 7.5  | 8652.95      | 8322.94      | 8181.31      | 8322.94      | 8652.95      | 8977.19      | 9125.78      |
| 10.0 | 8277.32      | 7758.32      | 7551.38      | 7758.32      | 8277.32      | 8839.04      | 9084.13      |
| 12.5 | 7816.84      | 7105.14      | 6857.67      | 7105.14      | 7816.84      | 8656.16      | 9022.64      |
| 15.0 | 7284.20      | 6415.33      | 6127.63      | 6415.33      | 7284.20      | 8422.79      | 8933.48      |
| 17.5 | 6707.10      | 5707.18      | 5406.69      | 5707.18      | 6707.10      | 8130.20      | 8810.16      |
| 20.0 | 6103.90      | 5035.10      | 4737.73      | 5035.10      | 6103.90      | 7776.88      | 8640.20      |
| 22.5 | 5482.77      | 4425.90      | 4149.44      | 4425.90      | 5482.77      | 7360.06      | 8414.47      |
| 25.0 | 4874.82      | 3867.19      | 3620.01      | 3867.19      | 4874.82      | 6885.81      | 8122.47      |
| 27.5 | 4302.69      | 3379.35      | 3164.86      | 3379.35      | 4302.69      | 6361.12      | 7743.62      |
| 30.0 | 3769.09      | 2967.34      | 2786.65      | 2967.34      | 3769.09      | 5798.96      | 7315.12      |
| 32.5 | 3289.25      | 2607.25      | 2463.90      | 2607.25      | 3289.25      | 5203.99      | 6801.53      |
| 35.0 | 2858.57      | 2294.84      | 2185.13      | 2294.84      | 2858.57      | 4610.40      | 6230.72      |
| 37.5 | 2475.11      | 2031.25      | 1943.48      | 2031.25      | 2475.11      | 4031.26      | 5606.20      |
| 40.0 | 2145.51      | 1801.80      | 1733.01      | 1801.80      | 2145.51      | 3482.92      | 4974.51      |
| 42.5 | 1867.00      | 1595.88      | 1542.79      | 1595.88      | 1867.00      | 2980.48      | 4353.38      |
| 45.0 | 1624.65      | 1412.65      | 1369.57      | 1412.65      | 1624.65      | 2538.30      | 3748.13      |
| 47.5 | 1412.87      | 1248.69      | 1214.49      | 1248.69      | 1412.87      | 2150.42      | 3185.26      |
| 50.0 | 1228.16      | 1099.46      | 1072.53      | 1099.46      | 1228.16      | 1813.41      | 2670.22      |
| 52.5 | 1068.43      | 964.76       | 944.19       | 964.76       | 1068.43      | 1532.82      | 2227.99      |
| 55.0 | 929.91       | 847.86       | 834.00       | 847.86       | 929.91       | 1301.06      | 1848.05      |
| 57.5 | 811.40       | 748.53       | 742.74       | 748.53       | 811.40       | 1107.52      | 1536.91      |
| 60.0 | 709.23       | 663.91       | 666.02       | 663.91       | 709.23       | 943.23       | 1274.15      |
| 62.5 | 620.18       | 591.46       | 598.58       | 591.46       | 620.18       | 803.39       | 1057.35      |
| 65.0 | 542.21       | 527.39       | 536.71       | 527.39       | 542.21       | 684.98       | 876.49       |
| 67.5 | 474.35       | 468.30       | 478.99       | 468.30       | 474.35       | 582.65       | 725.86       |
| 70.0 | 414.32       | 415.18       | 427.12       | 415.18       | 414.32       | 492.49       | 599.15       |
| 72.5 | 360.39       | 368.06       | 381.17       | 368.06       | 360.39       | 412.16       | 487.57       |
| 75.0 | 310.52       | 324.19       | 339.20       | 324.19       | 310.52       | 339.47       | 389.54       |
| 77.5 | 263.67       | 283.07       | 299.89       | 283.07       | 263.67       | 272.35       | 300.31       |
| 80.0 | 219.89       | 245.23       | 263.36       | 245.23       | 219.89       | 210.54       | 221.60       |

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**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 82.5  | 179.80 | 210.18 | 229.45 | 210.18 | 179.80 | 155.62 | 151.69 |
| 85.0  | 145.50 | 177.83 | 196.93 | 177.83 | 145.50 | 110.33 | 94.81  |
| 87.5  | 119.63 | 150.90 | 168.54 | 150.90 | 119.63 | 79.17  | 54.94  |
| 90.0  | 97.14  | 125.37 | 140.63 | 125.37 | 97.14  | 59.46  | 38.68  |
| 92.5  | 79.17  | 102.62 | 115.16 | 102.62 | 79.17  | 49.29  | 35.55  |
| 95.0  | 66.61  | 84.69  | 94.37  | 84.69  | 66.61  | 44.47  | 33.92  |
| 97.5  | 58.53  | 72.35  | 79.42  | 72.35  | 58.53  | 40.32  | 32.78  |
| 100.0 | 52.62  | 64.14  | 69.37  | 64.14  | 52.62  | 36.62  | 31.61  |
| 102.5 | 48.14  | 58.88  | 63.26  | 58.88  | 48.14  | 33.36  | 29.93  |
| 105.0 | 44.78  | 55.46  | 59.51  | 55.46  | 44.78  | 30.44  | 27.97  |
| 107.5 | 41.66  | 52.41  | 56.66  | 52.41  | 41.66  | 27.74  | 25.73  |
| 110.0 | 38.80  | 49.81  | 54.09  | 49.81  | 38.80  | 24.98  | 23.31  |
| 112.5 | 35.98  | 47.17  | 51.54  | 47.17  | 35.98  | 22.13  | 20.77  |
| 115.0 | 33.15  | 44.29  | 48.82  | 44.29  | 33.15  | 19.19  | 18.30  |
| 117.5 | 30.30  | 41.39  | 46.03  | 41.39  | 30.30  | 16.37  | 15.88  |
| 120.0 | 27.37  | 38.55  | 43.19  | 38.55  | 27.37  | 13.71  | 13.89  |
| 122.5 | 24.45  | 35.57  | 39.89  | 35.57  | 24.45  | 11.33  | 11.87  |
| 125.0 | 21.53  | 32.30  | 36.88  | 32.30  | 21.53  | 9.11   | 10.09  |
| 127.5 | 18.58  | 29.23  | 33.94  | 29.23  | 18.58  | 7.03   | 8.52   |
| 130.0 | 15.71  | 26.27  | 30.59  | 26.27  | 15.71  | 5.39   | 7.11   |
| 132.5 | 12.99  | 23.23  | 27.32  | 23.23  | 12.99  | 4.46   | 5.94   |
| 135.0 | 10.39  | 20.11  | 23.95  | 20.11  | 10.39  | 3.74   | 4.83   |
| 137.5 | 7.90   | 17.00  | 20.63  | 17.00  | 7.90   | 3.00   | 3.90   |
| 140.0 | 5.65   | 14.08  | 17.23  | 14.08  | 5.65   | 2.38   | 2.96   |
| 142.5 | 3.77   | 11.27  | 14.18  | 11.27  | 3.77   | 1.76   | 2.18   |
| 145.0 | 2.17   | 8.68   | 11.21  | 8.68   | 2.17   | 1.28   | 1.47   |
| 147.5 | 1.03   | 6.31   | 8.45   | 6.31   | 1.03   | 0.84   | 0.86   |
| 150.0 | 0.18   | 4.19   | 5.95   | 4.19   | 0.18   | 0.49   | 0.49   |
| 152.5 | 0.25   | 2.31   | 3.79   | 2.31   | 0.25   | 0.29   | 0.15   |
| 155.0 | 0.35   | 0.90   | 2.03   | 0.90   | 0.35   | 0.32   | 0.00   |
| 157.5 | 0.44   | 0.33   | 0.78   | 0.33   | 0.44   | 0.34   | 0.10   |
| 160.0 | 0.51   | 0.46   | 0.44   | 0.46   | 0.51   | 0.37   | 0.17   |
| 162.5 | 0.60   | 0.57   | 0.51   | 0.57   | 0.60   | 0.49   | 0.29   |
| 165.0 | 0.57   | 0.63   | 0.59   | 0.63   | 0.57   | 0.49   | 0.40   |
| 167.5 | 0.45   | 0.62   | 0.67   | 0.62   | 0.45   | 0.42   | 0.33   |
| 170.0 | 0.44   | 0.62   | 0.74   | 0.62   | 0.44   | 0.39   | 0.36   |
| 172.5 | 0.54   | 0.65   | 0.84   | 0.65   | 0.54   | 0.58   | 0.57   |
| 175.0 | 0.69   | 0.77   | 0.89   | 0.77   | 0.69   | 0.78   | 0.70   |
| 177.5 | 0.57   | 0.83   | 0.98   | 0.83   | 0.57   | 0.83   | 0.80   |
| 180.0 | 0.79   | 0.79   | 0.79   | 0.79   | 0.79   | 0.79   | 0.79   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APX12LL40-UNV-A-LFP.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 2898.66  | N.A.  | 25.30  |
| 0-30    | 5363.42  | N.A.  | 46.80  |
| 0-40    | 7549.19  | N.A.  | 65.90  |
| 0-60    | 10135.87 | N.A.  | 88.40  |
| 0-80    | 11110.3  | N.A.  | 96.90  |
| 0-90    | 11275.28 | N.A.  | 98.40  |
| 10-90   | 10443.55 | N.A.  | 91.10  |
| 20-40   | 4650.53  | N.A.  | 40.60  |
| 20-50   | 6232.13  | N.A.  | 54.40  |
| 40-70   | 3204.33  | N.A.  | 28.00  |
| 60-80   | 974.42   | N.A.  | 8.50   |
| 70-80   | 356.78   | N.A.  | 3.10   |
| 80-90   | 164.98   | N.A.  | 1.40   |
| 90-110  | 120.29   | N.A.  | 1.00   |
| 90-120  | 152.67   | N.A.  | 1.30   |
| 90-130  | 172.22   | N.A.  | 1.50   |
| 90-150  | 184.84   | N.A.  | 1.60   |
| 90-180  | 185.46   | N.A.  | 1.60   |
| 110-180 | 65.17    | N.A.  | 0.60   |
| 0-180   | 11460.74 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 831.73  |
| 10-20   | 2066.93 |
| 20-30   | 2464.76 |
| 30-40   | 2185.78 |
| 40-50   | 1581.59 |
| 50-60   | 1005.09 |
| 60-70   | 617.65  |
| 70-80   | 356.78  |
| 80-90   | 164.98  |
| 90-100  | 73.79   |
| 100-110 | 46.50   |
| 110-120 | 32.38   |
| 120-130 | 19.54   |
| 130-140 | 9.54    |
| 140-150 | 3.07    |
| 150-160 | 0.42    |
| 160-170 | 0.14    |
| 170-180 | 0.06    |

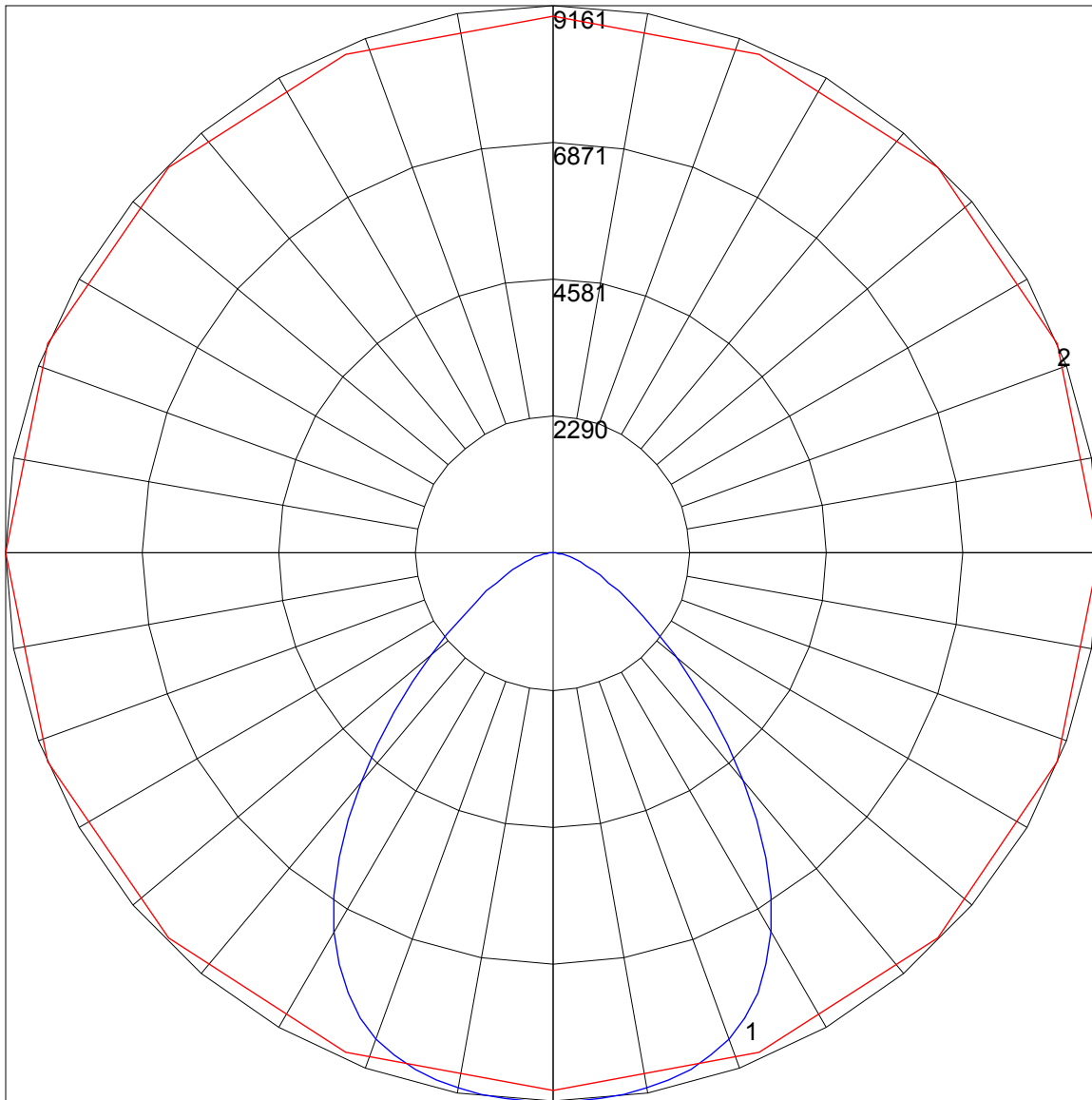
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APX12LL40-UNV-A-LFP.IES**

**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 | 110 | 110 | 110 | 105 | 105 | 105 | 101 | 101 | 101 | 98 |
| 1  | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 92  | 90  | 89  | 87 |
| 2  | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 83  | 87  | 84  | 81  | 84  | 81  | 79  | 77 |
| 3  | 96  | 87  | 81  | 75  | 93  | 86  | 80  | 75  | 83  | 77  | 73  | 80  | 75  | 72  | 77  | 74  | 70  | 68 |
| 4  | 89  | 80  | 72  | 67  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 61 |
| 5  | 84  | 73  | 65  | 60  | 82  | 72  | 65  | 60  | 70  | 63  | 59  | 68  | 62  | 58  | 66  | 61  | 57  | 56 |
| 6  | 78  | 67  | 60  | 54  | 76  | 66  | 59  | 54  | 64  | 58  | 53  | 63  | 57  | 53  | 61  | 56  | 52  | 51 |
| 7  | 74  | 62  | 55  | 49  | 72  | 61  | 54  | 49  | 60  | 53  | 49  | 58  | 53  | 48  | 57  | 52  | 48  | 46 |
| 8  | 69  | 58  | 50  | 45  | 68  | 57  | 50  | 45  | 56  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 44  | 43 |
| 9  | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 50  | 45  | 41  | 39 |
| 10 | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 47  | 42  | 38  | 37 |

POLAR GRAPH



Maximum Candela = 9161.02 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)