



IES INDOOR REPORT
PHOTOMETRIC FILENAME : WALWVSL42T5.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 15342-T5
[MANUFAC]PRUDENTIAL LIGHTING WALL MT LUMINAIRE
[LUMCAT]WAL-WV-SL-4-2T5
[LUMINAIRE]WITH WHITE INTERIOR AND SLOTTED BOTTOM
[LAMP]TWO PHILIPS 28 WATT T5 LAMPS
[LAMPCAT]F28T5 LUMEN RATING = 2900 LMS.
[OTHER]ONE SYLVANIA BALLAST OPERATING AT 120 VAC

CHARACTERISTICS

| | |
|---------------------------------|----------------|
| Lumens Per Lamp | 2900 (2 lamps) |
| Total Lamp Lumens | 5800 |
| Luminaire Lumens | 4382 |
| Total Luminaire Efficiency | 76 % |
| Luminaire Efficacy Rating (LER) | 78 |
| Total Luminaire Watts | 56 |
| Ballast Factor | 1.00 |
| CIE Type | Indirect |
| Spacing Criteria (0-180) | N.A. |
| Spacing Criteria (90-270) | N.A. |
| Spacing Criteria (Diagonal) | N.A. |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 4.00 ft |
| Luminous Width (90-270) | 0.60 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 262 | 532 | 685 |
| 55 | 214 | 587 | 791 |
| 65 | 153 | 669 | 972 |
| 75 | 68 | 805 | 1285 |
| 85 | 26 | 1368 | 2704 |

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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 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 2.5 | 74.3 | 75.2 | 78.7 | 76.8 | 79.4 | 76.8 | 78.7 | 75.2 | 74.3 | 72.5 |
| 5.0 | 74.7 | 76.1 | 80.4 | 80.4 | 83.9 | 80.4 | 80.4 | 76.1 | 74.7 | 71.6 |
| 7.5 | 72.9 | 78.7 | 82.0 | 82.0 | 86.5 | 82.0 | 82.0 | 78.7 | 72.9 | 69.0 |
| 10.0 | 72.1 | 77.8 | 82.0 | 86.5 | 88.2 | 86.5 | 82.0 | 77.8 | 72.1 | 66.6 |
| 12.5 | 71.2 | 77.8 | 85.6 | 89.1 | 93.4 | 89.1 | 85.6 | 77.8 | 71.2 | 64.7 |
| 15.0 | 71.2 | 77.8 | 86.5 | 91.7 | 94.3 | 91.7 | 86.5 | 77.8 | 71.2 | 63.1 |
| 17.5 | 68.6 | 78.7 | 88.2 | 92.5 | 97.7 | 92.5 | 88.2 | 78.7 | 68.6 | 59.5 |
| 20.0 | 67.8 | 77.8 | 89.1 | 95.1 | 100.3 | 95.1 | 89.1 | 77.8 | 67.8 | 56.2 |
| 22.5 | 65.7 | 76.8 | 89.1 | 96.0 | 102.9 | 96.0 | 89.1 | 76.8 | 65.7 | 53.6 |
| 25.0 | 63.5 | 76.1 | 89.8 | 97.7 | 104.8 | 97.7 | 89.8 | 76.1 | 63.5 | 51.0 |
| 27.5 | 61.4 | 75.2 | 90.8 | 99.6 | 102.9 | 99.6 | 90.8 | 75.2 | 61.4 | 48.4 |
| 30.0 | 59.6 | 74.2 | 89.1 | 100.3 | 107.4 | 100.3 | 89.1 | 74.2 | 59.6 | 45.8 |
| 32.5 | 57.4 | 72.5 | 89.8 | 101.2 | 108.1 | 101.2 | 89.8 | 72.5 | 57.4 | 41.3 |
| 35.0 | 53.9 | 71.6 | 89.1 | 103.8 | 107.4 | 103.8 | 89.1 | 71.6 | 53.9 | 39.6 |
| 37.5 | 51.3 | 68.3 | 88.2 | 103.8 | 107.4 | 103.8 | 88.2 | 68.3 | 51.3 | 37.0 |
| 40.0 | 47.4 | 69.0 | 87.2 | 102.2 | 109.0 | 102.2 | 87.2 | 69.0 | 47.4 | 31.8 |
| 42.5 | 45.3 | 64.7 | 85.6 | 102.2 | 109.0 | 102.2 | 85.6 | 64.7 | 45.3 | 28.2 |
| 45.0 | 41.3 | 62.1 | 83.9 | 100.3 | 108.1 | 100.3 | 83.9 | 62.1 | 41.3 | 25.6 |
| 47.5 | 37.9 | 58.8 | 82.0 | 99.6 | 107.4 | 99.6 | 82.0 | 58.8 | 37.9 | 23.0 |
| 50.0 | 35.2 | 56.9 | 79.4 | 98.6 | 106.4 | 98.6 | 79.4 | 56.9 | 35.2 | 20.4 |
| 52.5 | 31.4 | 53.6 | 77.8 | 97.7 | 104.8 | 97.7 | 77.8 | 53.6 | 31.4 | 17.1 |
| 55.0 | 27.4 | 50.0 | 75.2 | 95.1 | 101.2 | 95.1 | 75.2 | 50.0 | 27.4 | 13.5 |
| 57.5 | 24.8 | 48.4 | 71.6 | 93.4 | 100.3 | 93.4 | 71.6 | 48.4 | 24.8 | 12.6 |
| 60.0 | 20.9 | 43.9 | 70.9 | 90.8 | 96.0 | 90.8 | 70.9 | 43.9 | 20.9 | 9.3 |
| 62.5 | 17.1 | 39.6 | 67.3 | 89.1 | 95.1 | 89.1 | 67.3 | 39.6 | 17.1 | 6.7 |
| 65.0 | 14.4 | 35.3 | 63.1 | 84.6 | 91.7 | 84.6 | 63.1 | 35.3 | 14.4 | 5.7 |
| 67.5 | 11.8 | 31.8 | 58.8 | 81.3 | 87.2 | 81.3 | 58.8 | 31.8 | 11.8 | 4.1 |
| 70.0 | 9.6 | 29.2 | 56.2 | 76.8 | 83.0 | 76.8 | 56.2 | 29.2 | 9.6 | 3.1 |
| 72.5 | 6.2 | 25.6 | 51.7 | 72.5 | 79.4 | 72.5 | 51.7 | 25.6 | 6.2 | 2.2 |
| 75.0 | 3.9 | 22.3 | 46.5 | 67.3 | 74.2 | 67.3 | 46.5 | 22.3 | 3.9 | 0.5 |
| 77.5 | 2.3 | 18.7 | 43.2 | 63.1 | 68.3 | 63.1 | 43.2 | 18.7 | 2.3 | 0.5 |
| 80.0 | 0.5 | 16.1 | 37.0 | 57.9 | 62.1 | 57.9 | 37.0 | 16.1 | 0.5 | 0.5 |
| 82.5 | 0.5 | 13.5 | 31.8 | 51.7 | 58.8 | 51.7 | 31.8 | 13.5 | 0.5 | 0.5 |
| 85.0 | 0.5 | 9.3 | 26.6 | 46.5 | 52.6 | 46.5 | 26.6 | 9.3 | 0.5 | 0.5 |
| 87.5 | 0.5 | 4.8 | 20.4 | 40.6 | 44.8 | 40.6 | 20.4 | 4.8 | 0.5 | 0.5 |
| 90.0 | 0.5 | 6.9 | 29.9 | 39.8 | 47.7 | 39.8 | 29.9 | 6.9 | 0.5 | 0.5 |
| 92.5 | 15.7 | 76.1 | 72.5 | 113.3 | 97.7 | 113.3 | 72.5 | 76.1 | 15.7 | 14.5 |
| 95.0 | 45.3 | 180.1 | 170.7 | 215.9 | 199.3 | 215.9 | 170.7 | 180.1 | 45.3 | 32.7 |
| 97.5 | 89.0 | 265.2 | 310.5 | 346.0 | 315.7 | 346.0 | 310.5 | 265.2 | 89.0 | 57.9 |
| 100.0 | 143.8 | 370.4 | 425.0 | 552.7 | 468.3 | 552.7 | 425.0 | 370.4 | 143.8 | 89.1 |
| 102.5 | 201.0 | 392.0 | 516.2 | 601.3 | 599.6 | 601.3 | 516.2 | 392.0 | 201.0 | 105.5 |
| 105.0 | 263.1 | 435.4 | 614.3 | 700.1 | 694.2 | 700.1 | 614.3 | 435.4 | 263.1 | 156.7 |
| 107.5 | 327.8 | 478.8 | 702.7 | 804.4 | 792.3 | 804.4 | 702.7 | 478.8 | 327.8 | 197.7 |
| 110.0 | 393.3 | 522.4 | 776.7 | 904.2 | 898.9 | 904.2 | 776.7 | 522.4 | 393.3 | 238.4 |
| 112.5 | 454.9 | 564.8 | 811.3 | 983.3 | 996.3 | 983.3 | 811.3 | 564.8 | 454.9 | 295.8 |
| 115.0 | 515.4 | 611.7 | 839.9 | 1041.4 | 1072.7 | 1041.4 | 839.9 | 611.7 | 515.4 | 352.2 |
| 117.5 | 574.7 | 657.7 | 866.9 | 1063.2 | 1130.0 | 1063.2 | 866.9 | 657.7 | 574.7 | 413.8 |
| 120.0 | 632.1 | 708.9 | 896.3 | 1081.4 | 1150.9 | 1081.4 | 896.3 | 708.9 | 632.1 | 471.9 |
| 122.5 | 688.0 | 780.9 | 926.9 | 1105.6 | 1163.9 | 1105.6 | 926.9 | 780.9 | 688.0 | 529.2 |
| 125.0 | 741.1 | 807.0 | 957.2 | 1114.4 | 1176.0 | 1114.4 | 957.2 | 807.0 | 741.1 | 552.7 |
| 127.5 | 792.7 | 861.7 | 985.0 | 1130.0 | 1187.1 | 1130.0 | 985.0 | 861.7 | 792.7 | 635.2 |
| 130.0 | 840.4 | 912.9 | 1012.0 | 1149.0 | 1197.6 | 1149.0 | 1012.0 | 912.9 | 840.4 | 684.7 |
| 132.5 | 890.3 | 966.7 | 1039.7 | 1168.2 | 1212.5 | 1168.2 | 1039.7 | 966.7 | 890.3 | 736.6 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 135.0 | 936.7 | 1012.0 | 1067.4 | 1183.8 | 1226.2 | 1183.8 | 1067.4 | 1012.0 | 936.7 | 787.8 |
| 137.5 | 979.8 | 1055.4 | 1096.1 | 1196.8 | 1237.6 | 1196.8 | 1096.1 | 1055.4 | 979.8 | 835.7 |
| 140.0 | 1023.2 | 1092.6 | 1124.8 | 1210.6 | 1247.1 | 1210.6 | 1124.8 | 1092.6 | 1023.2 | 884.2 |
| 142.5 | 1063.1 | 1130.0 | 1150.9 | 1227.2 | 1258.5 | 1227.2 | 1150.9 | 1130.0 | 1063.1 | 930.2 |
| 145.0 | 1101.2 | 1182.9 | 1181.2 | 1249.7 | 1267.9 | 1249.7 | 1181.2 | 1182.9 | 1101.2 | 977.2 |
| 147.5 | 1136.4 | 1196.8 | 1214.1 | 1256.6 | 1280.0 | 1256.6 | 1214.1 | 1196.8 | 1136.4 | 995.4 |
| 150.0 | 1170.8 | 1227.2 | 1246.4 | 1273.2 | 1289.7 | 1273.2 | 1246.4 | 1227.2 | 1170.8 | 1060.6 |
| 152.5 | 1200.6 | 1253.2 | 1273.2 | 1295.0 | 1301.8 | 1295.0 | 1273.2 | 1253.2 | 1200.6 | 1096.8 |
| 155.0 | 1228.5 | 1277.4 | 1295.7 | 1317.5 | 1318.4 | 1317.5 | 1295.7 | 1277.4 | 1228.5 | 1132.6 |
| 157.5 | 1255.9 | 1297.6 | 1317.5 | 1337.4 | 1339.0 | 1337.4 | 1317.5 | 1297.6 | 1255.9 | 1169.8 |
| 160.0 | 1279.7 | 1316.5 | 1334.8 | 1352.1 | 1356.6 | 1352.1 | 1334.8 | 1316.5 | 1279.7 | 1201.1 |
| 162.5 | 1300.1 | 1330.5 | 1348.8 | 1362.5 | 1367.0 | 1362.5 | 1348.8 | 1330.5 | 1300.1 | 1234.1 |
| 165.0 | 1317.8 | 1343.5 | 1359.2 | 1370.3 | 1374.8 | 1370.3 | 1359.2 | 1343.5 | 1317.8 | 1263.7 |
| 167.5 | 1333.1 | 1356.6 | 1367.0 | 1375.5 | 1380.0 | 1375.5 | 1367.0 | 1356.6 | 1333.1 | 1289.7 |
| 170.0 | 1345.2 | 1359.9 | 1369.6 | 1374.8 | 1380.0 | 1374.8 | 1369.6 | 1359.9 | 1345.2 | 1300.9 |
| 172.5 | 1354.7 | 1364.4 | 1370.3 | 1370.3 | 1375.5 | 1370.3 | 1370.3 | 1364.4 | 1354.7 | 1331.2 |
| 175.0 | 1362.1 | 1367.0 | 1367.0 | 1364.4 | 1369.6 | 1364.4 | 1367.0 | 1367.0 | 1362.1 | 1345.2 |
| 177.5 | 1366.1 | 1364.4 | 1362.5 | 1355.6 | 1359.2 | 1355.6 | 1362.5 | 1364.4 | 1366.1 | 1355.6 |
| 180.0 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 |

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 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 2.5 | 73.5 | 69.9 | 72.5 | 69.9 | 73.5 | 72.5 | 74.3 |
| 5.0 | 70.9 | 66.6 | 68.3 | 66.6 | 70.9 | 71.6 | 74.7 |
| 7.5 | 68.3 | 63.1 | 65.7 | 63.1 | 68.3 | 69.0 | 72.9 |
| 10.0 | 65.7 | 59.5 | 61.4 | 59.5 | 65.7 | 66.6 | 72.1 |
| 12.5 | 62.1 | 56.2 | 57.9 | 56.2 | 62.1 | 64.7 | 71.2 |
| 15.0 | 58.8 | 52.6 | 54.3 | 52.6 | 58.8 | 63.1 | 71.2 |
| 17.5 | 53.6 | 48.4 | 50.0 | 48.4 | 53.6 | 59.5 | 68.6 |
| 20.0 | 47.4 | 44.8 | 44.8 | 44.8 | 47.4 | 56.2 | 67.8 |
| 22.5 | 48.4 | 42.2 | 43.2 | 42.2 | 48.4 | 53.6 | 65.7 |
| 25.0 | 44.8 | 38.7 | 38.7 | 38.7 | 44.8 | 51.0 | 63.5 |
| 27.5 | 42.2 | 33.4 | 34.4 | 33.4 | 42.2 | 48.4 | 61.4 |
| 30.0 | 37.9 | 30.8 | 32.7 | 30.8 | 37.9 | 45.8 | 59.6 |
| 32.5 | 36.0 | 28.2 | 28.2 | 28.2 | 36.0 | 41.3 | 57.4 |
| 35.0 | 30.8 | 24.9 | 24.0 | 24.9 | 30.8 | 39.6 | 53.9 |
| 37.5 | 27.5 | 21.4 | 25.6 | 21.4 | 27.5 | 37.0 | 51.3 |
| 40.0 | 24.0 | 18.7 | 18.7 | 18.7 | 24.0 | 31.8 | 47.4 |
| 42.5 | 19.7 | 17.1 | 16.1 | 17.1 | 19.7 | 28.2 | 45.3 |
| 45.0 | 19.7 | 14.5 | 12.6 | 14.5 | 19.7 | 25.6 | 41.3 |
| 47.5 | 17.1 | 12.6 | 12.6 | 12.6 | 17.1 | 23.0 | 37.9 |
| 50.0 | 13.5 | 9.3 | 10.0 | 9.3 | 13.5 | 20.4 | 35.2 |
| 52.5 | 11.9 | 9.3 | 7.4 | 9.3 | 11.9 | 17.1 | 31.4 |
| 55.0 | 11.9 | 6.7 | 7.4 | 6.7 | 11.9 | 13.5 | 27.4 |
| 57.5 | 9.3 | 6.7 | 6.7 | 6.7 | 9.3 | 12.6 | 24.8 |
| 60.0 | 7.4 | 5.7 | 6.7 | 5.7 | 7.4 | 9.3 | 20.9 |
| 62.5 | 5.7 | 3.1 | 3.1 | 3.1 | 5.7 | 6.7 | 17.1 |
| 65.0 | 4.8 | 3.1 | 4.8 | 3.1 | 4.8 | 5.7 | 14.4 |
| 67.5 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 4.1 | 11.8 |
| 70.0 | 3.1 | 2.2 | 2.2 | 2.2 | 3.1 | 3.1 | 9.6 |
| 72.5 | 2.2 | 1.4 | 0.5 | 1.4 | 2.2 | 2.2 | 6.2 |
| 75.0 | 2.2 | 0.5 | 0.5 | 0.5 | 2.2 | 0.5 | 3.9 |
| 77.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 |
| 80.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 82.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 90.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 92.5 | 19.7 | 6.7 | 12.6 | 6.7 | 19.7 | 14.5 | 15.7 |
| 95.0 | 39.6 | 33.4 | 37.0 | 33.4 | 39.6 | 32.7 | 45.3 |
| 97.5 | 60.5 | 50.0 | 54.3 | 50.0 | 60.5 | 57.9 | 89.0 |
| 100.0 | 89.1 | 69.0 | 72.5 | 69.0 | 89.1 | 89.1 | 143.8 |
| 102.5 | 122.1 | 83.0 | 102.9 | 83.0 | 122.1 | 105.5 | 201.0 |
| 105.0 | 157.6 | 128.2 | 134.2 | 128.2 | 157.6 | 156.7 | 263.1 |
| 107.5 | 194.1 | 162.8 | 169.0 | 162.8 | 194.1 | 197.7 | 327.8 |
| 110.0 | 230.6 | 196.7 | 204.6 | 196.7 | 230.6 | 238.4 | 393.3 |
| 112.5 | 267.8 | 238.4 | 239.2 | 238.4 | 267.8 | 295.8 | 454.9 |
| 115.0 | 307.9 | 273.0 | 276.6 | 273.0 | 307.9 | 352.2 | 515.4 |
| 117.5 | 347.0 | 313.1 | 314.8 | 313.1 | 347.0 | 413.8 | 574.7 |
| 120.0 | 392.0 | 345.1 | 352.9 | 345.1 | 392.0 | 471.9 | 632.1 |
| 122.5 | 441.5 | 389.4 | 392.0 | 389.4 | 441.5 | 529.2 | 688.0 |
| 125.0 | 497.0 | 408.6 | 430.2 | 408.6 | 497.0 | 552.7 | 741.1 |
| 127.5 | 552.7 | 471.9 | 468.3 | 471.9 | 552.7 | 635.2 | 792.7 |
| 130.0 | 610.0 | 522.4 | 515.2 | 522.4 | 610.0 | 684.7 | 840.4 |
| 132.5 | 670.7 | 575.2 | 568.3 | 575.2 | 670.7 | 736.6 | 890.3 |
| 135.0 | 725.5 | 632.6 | 622.8 | 632.6 | 725.5 | 787.8 | 936.7 |
| 137.5 | 776.7 | 687.3 | 678.5 | 687.3 | 776.7 | 835.7 | 979.8 |
| 140.0 | 822.6 | 745.4 | 732.3 | 745.4 | 822.6 | 884.2 | 1023.2 |
| 142.5 | 869.6 | 800.8 | 793.0 | 800.8 | 869.6 | 930.2 | 1063.1 |
| 145.0 | 912.0 | 853.0 | 847.0 | 853.0 | 912.0 | 977.2 | 1101.2 |
| 147.5 | 954.6 | 874.8 | 893.7 | 874.8 | 954.6 | 995.4 | 1136.4 |
| 150.0 | 991.8 | 939.7 | 934.7 | 939.7 | 991.8 | 1060.6 | 1170.8 |
| 152.5 | 1032.6 | 979.8 | 975.5 | 979.8 | 1032.6 | 1096.8 | 1200.6 |
| 155.0 | 1071.0 | 1017.0 | 1012.7 | 1017.0 | 1071.0 | 1132.6 | 1228.5 |
| 157.5 | 1110.8 | 1057.0 | 1052.8 | 1057.0 | 1110.8 | 1169.8 | 1255.9 |
| 160.0 | 1146.4 | 1093.5 | 1090.0 | 1093.5 | 1146.4 | 1201.1 | 1279.7 |
| 162.5 | 1177.6 | 1130.7 | 1127.4 | 1130.7 | 1177.6 | 1234.1 | 1300.1 |
| 165.0 | 1210.6 | 1166.5 | 1162.0 | 1166.5 | 1210.6 | 1263.7 | 1317.8 |
| 167.5 | 1240.2 | 1200.2 | 1202.1 | 1200.2 | 1240.2 | 1289.7 | 1333.1 |
| 170.0 | 1272.2 | 1215.1 | 1230.7 | 1215.1 | 1272.2 | 1300.9 | 1345.2 |
| 172.5 | 1301.8 | 1264.4 | 1266.3 | 1264.4 | 1301.8 | 1331.2 | 1354.7 |
| 175.0 | 1326.2 | 1299.2 | 1299.2 | 1299.2 | 1326.2 | 1345.2 | 1362.1 |
| 177.5 | 1344.3 | 1326.2 | 1328.8 | 1326.2 | 1344.3 | 1355.6 | 1366.1 |
| 180.0 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 | 1354.4 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|-------|--------|
| 0-30 | 57.98 | 1.00 | 1.30 |
| 0-40 | 95.45 | 1.60 | 2.20 |
| 0-60 | 172.49 | 3.00 | 3.90 |
| 0-90 | 244.14 | 4.20 | 5.60 |
| 90-120 | 1071.04 | 18.50 | 24.40 |
| 90-130 | 1734.44 | 29.90 | 39.60 |
| 90-150 | 3098.94 | 53.40 | 70.70 |
| 90-180 | 4137.86 | 71.30 | 94.40 |
| 0-180 | 4382.00 | 75.60 | 100.00 |

Total Luminaire Efficiency = 75.60%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 7.07 |
| 10-20 | 20.22 |
| 20-30 | 30.69 |
| 30-40 | 37.48 |
| 40-50 | 39.40 |
| 50-60 | 37.64 |
| 60-70 | 32.13 |
| 70-80 | 24.06 |
| 80-90 | 15.45 |
| 90-100 | 123.43 |
| 100-110 | 379.37 |
| 110-120 | 568.23 |
| 120-130 | 663.40 |
| 130-140 | 700.96 |
| 140-150 | 663.54 |
| 150-160 | 548.10 |
| 160-170 | 363.24 |
| 170-180 | 127.59 |

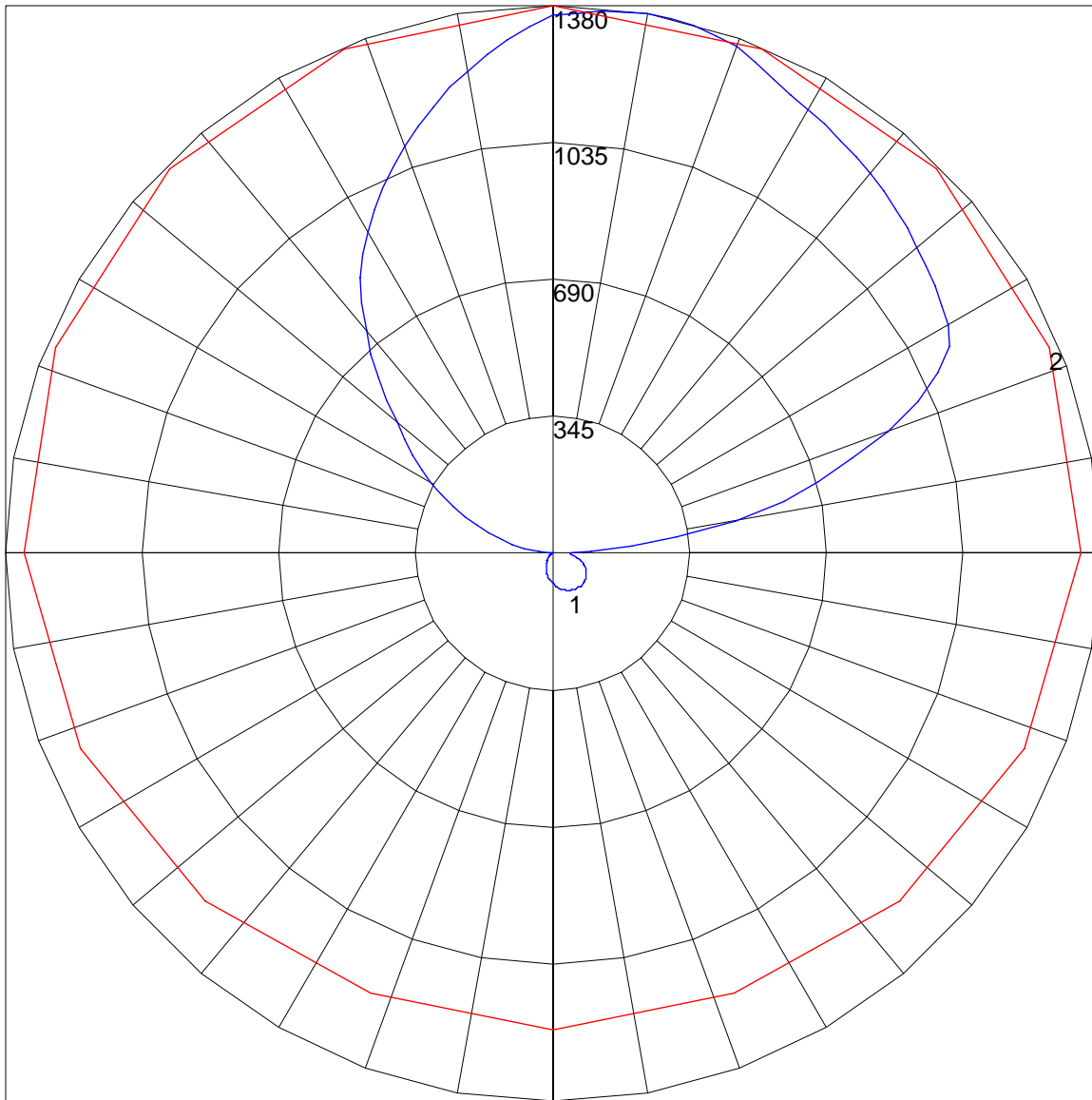
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 73 | 73 | 73 | 73 | 63 | 63 | 63 | 63 | 44 | 44 | 44 | 27 | 27 | 27 | 12 | 12 | 12 | 4 |
| 1 | 66 | 63 | 60 | 58 | 57 | 55 | 52 | 50 | 38 | 37 | 36 | 24 | 23 | 22 | 10 | 10 | 9 | 3 |
| 2 | 60 | 55 | 51 | 47 | 52 | 48 | 44 | 41 | 34 | 31 | 30 | 21 | 19 | 18 | 9 | 8 | 8 | 3 |
| 3 | 55 | 48 | 43 | 39 | 47 | 42 | 38 | 34 | 29 | 27 | 25 | 18 | 17 | 15 | 8 | 7 | 7 | 2 |
| 4 | 50 | 42 | 37 | 33 | 43 | 37 | 32 | 29 | 26 | 23 | 21 | 16 | 14 | 13 | 7 | 6 | 6 | 2 |
| 5 | 46 | 38 | 32 | 28 | 39 | 33 | 28 | 24 | 23 | 20 | 18 | 14 | 13 | 11 | 6 | 5 | 5 | 2 |
| 6 | 42 | 34 | 28 | 24 | 36 | 29 | 24 | 21 | 21 | 18 | 15 | 13 | 11 | 10 | 5 | 5 | 4 | 1 |
| 7 | 39 | 30 | 24 | 21 | 33 | 26 | 21 | 18 | 19 | 15 | 13 | 12 | 10 | 8 | 5 | 4 | 4 | 1 |
| 8 | 36 | 27 | 22 | 18 | 31 | 23 | 19 | 16 | 17 | 14 | 12 | 10 | 9 | 7 | 4 | 4 | 3 | 1 |
| 9 | 33 | 24 | 19 | 16 | 28 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 8 | 6 | 4 | 3 | 3 | 1 |
| 10 | 31 | 22 | 17 | 14 | 26 | 19 | 15 | 12 | 14 | 11 | 9 | 9 | 7 | 6 | 4 | 3 | 3 | 1 |

POLAR GRAPH



Maximum Candela = 1380 Located At Horizontal Angle = 90, Vertical Angle = 167.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (167.5) (Through Max. Cd.)