



IES INDOOR REPORT

PHOTOMETRIC FILENAME : QUAD-30-LED35-MO-D9.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] Quad-30-LED35-MO-D9
 [TESTLAB] Intertek
 [ISSUE DATE] March 9, 2017
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9906 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 92 |
| Total Luminaire Watts | 108 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.26 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 2.21 ft |
| Luminous Width (90-270) | 2.21 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 5908 | 5893 | 5867 |
| 55 | 5684 | 5658 | 5619 |
| 65 | 5385 | 5344 | 5310 |
| 75 | 4968 | 4904 | 4881 |
| 85 | 4293 | 4167 | 4223 |

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CANDELA TABULATION

| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | 112.5 | 135.0 | 157.5 | 180.0 | 202.5 |
|--------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 |
| 2.5 | 2870.978 | 2871.704 | 2870.879 | 2869.900 | 2870.373 | 2869.900 | 2870.879 | 2871.704 | 2870.978 | 2871.704 |
| 5.0 | 2860.814 | 2860.880 | 2860.143 | 2859.890 | 2858.988 | 2859.890 | 2860.143 | 2860.880 | 2860.814 | 2860.880 |
| 7.5 | 2843.247 | 2843.423 | 2842.961 | 2842.543 | 2842.235 | 2842.543 | 2842.961 | 2843.423 | 2843.247 | 2843.423 |
| 10.0 | 2819.124 | 2819.553 | 2818.112 | 2817.738 | 2817.034 | 2817.738 | 2818.112 | 2819.553 | 2819.124 | 2819.553 |
| 12.5 | 2788.313 | 2789.259 | 2787.455 | 2786.982 | 2786.025 | 2786.982 | 2787.455 | 2789.259 | 2788.313 | 2789.259 |
| 15.0 | 2753.025 | 2752.530 | 2751.386 | 2749.934 | 2749.626 | 2749.934 | 2751.386 | 2752.530 | 2753.025 | 2752.530 |
| 17.5 | 2710.070 | 2710.169 | 2709.267 | 2706.682 | 2706.000 | 2706.682 | 2709.267 | 2710.169 | 2710.070 | 2710.169 |
| 20.0 | 2662.605 | 2661.846 | 2660.471 | 2658.337 | 2656.148 | 2658.337 | 2660.471 | 2661.846 | 2662.605 | 2661.846 |
| 22.5 | 2608.320 | 2607.946 | 2605.735 | 2602.435 | 2601.467 | 2602.435 | 2605.735 | 2607.946 | 2608.320 | 2607.946 |
| 25.0 | 2548.920 | 2548.370 | 2545.477 | 2542.969 | 2541.803 | 2542.969 | 2545.477 | 2548.370 | 2548.920 | 2548.370 |
| 27.5 | 2483.932 | 2482.821 | 2478.938 | 2475.957 | 2473.988 | 2475.957 | 2478.938 | 2482.821 | 2483.932 | 2482.821 |
| 30.0 | 2411.981 | 2411.838 | 2408.571 | 2405.172 | 2402.807 | 2405.172 | 2408.571 | 2411.838 | 2411.981 | 2411.838 |
| 32.5 | 2336.653 | 2336.499 | 2332.451 | 2328.634 | 2328.425 | 2328.634 | 2332.451 | 2336.499 | 2336.653 | 2336.499 |
| 35.0 | 2258.421 | 2257.123 | 2252.767 | 2247.476 | 2248.026 | 2247.476 | 2252.767 | 2257.123 | 2258.421 | 2257.123 |
| 37.5 | 2174.700 | 2172.610 | 2167.660 | 2162.501 | 2162.798 | 2162.501 | 2167.660 | 2172.610 | 2174.700 | 2172.610 |
| 40.0 | 2087.514 | 2083.983 | 2079.176 | 2073.522 | 2071.740 | 2073.522 | 2079.176 | 2083.983 | 2087.514 | 2083.983 |
| 42.5 | 1992.529 | 1991.418 | 1985.126 | 1980.022 | 1979.230 | 1980.022 | 1985.126 | 1991.418 | 1992.529 | 1991.418 |
| 45.0 | 1894.607 | 1895.729 | 1889.767 | 1882.683 | 1881.396 | 1882.683 | 1889.767 | 1895.729 | 1894.607 | 1895.729 |
| 47.5 | 1794.452 | 1795.134 | 1789.205 | 1782.517 | 1780.834 | 1782.517 | 1789.205 | 1795.134 | 1794.452 | 1795.134 |
| 50.0 | 1691.470 | 1690.975 | 1685.453 | 1679.777 | 1676.433 | 1679.777 | 1685.453 | 1690.975 | 1691.470 | 1690.975 |
| 52.5 | 1586.057 | 1585.045 | 1579.941 | 1573.605 | 1570.316 | 1573.605 | 1579.941 | 1585.045 | 1586.057 | 1585.045 |
| 55.0 | 1478.554 | 1477.740 | 1471.635 | 1465.002 | 1461.471 | 1465.002 | 1471.635 | 1477.740 | 1478.554 | 1477.740 |
| 57.5 | 1366.981 | 1367.487 | 1361.019 | 1354.177 | 1351.427 | 1354.177 | 1361.019 | 1367.487 | 1366.981 | 1367.487 |
| 60.0 | 1255.386 | 1256.035 | 1249.963 | 1242.945 | 1241.570 | 1242.945 | 1249.963 | 1256.035 | 1255.386 | 1256.035 |
| 62.5 | 1143.758 | 1142.812 | 1136.971 | 1131.911 | 1129.568 | 1131.911 | 1136.971 | 1142.812 | 1143.758 | 1142.812 |
| 65.0 | 1032.086 | 1029.094 | 1024.111 | 1018.193 | 1017.654 | 1018.193 | 1024.111 | 1029.094 | 1032.086 | 1029.094 |
| 67.5 | 918.709 | 916.916 | 910.877 | 905.564 | 905.256 | 905.564 | 910.877 | 916.916 | 918.709 | 916.916 |
| 70.0 | 804.529 | 803.473 | 796.466 | 792.385 | 792.924 | 792.385 | 796.466 | 803.473 | 804.529 | 803.473 |
| 72.5 | 692.593 | 691.009 | 684.574 | 681.098 | 681.758 | 681.098 | 684.574 | 691.009 | 692.593 | 691.009 |
| 75.0 | 583.088 | 580.536 | 575.619 | 572.363 | 572.869 | 572.363 | 575.619 | 580.536 | 583.088 | 580.536 |
| 77.5 | 475.673 | 472.340 | 467.181 | 465.531 | 465.377 | 465.531 | 467.181 | 472.340 | 475.673 | 472.340 |
| 80.0 | 369.611 | 366.927 | 361.548 | 360.591 | 360.382 | 360.591 | 361.548 | 366.927 | 369.611 | 366.927 |
| 82.5 | 266.189 | 265.969 | 260.150 | 259.314 | 261.558 | 259.314 | 260.150 | 265.969 | 266.189 | 265.969 |
| 85.0 | 169.664 | 168.960 | 164.681 | 165.187 | 166.925 | 165.187 | 164.681 | 168.960 | 169.664 | 168.960 |
| 87.5 | 80.509 | 80.729 | 74.283 | 75.339 | 76.010 | 75.339 | 74.283 | 80.729 | 80.509 | 80.729 |
| 90.0 | 81.147 | 83.732 | 72.699 | 38.841 | 9.702 | 38.841 | 72.699 | 83.732 | 81.147 | 83.732 |
| 92.5 | 110.143 | 102.443 | 77.275 | 44.528 | 20.383 | 44.528 | 77.275 | 102.443 | 110.143 | 102.443 |
| 95.0 | 110.561 | 104.159 | 81.719 | 52.261 | 36.421 | 52.261 | 81.719 | 104.159 | 110.561 | 104.159 |
| 97.5 | 123.024 | 116.490 | 93.104 | 63.217 | 49.819 | 63.217 | 93.104 | 116.490 | 123.024 | 116.490 |
| 100.0 | 137.852 | 130.922 | 107.448 | 76.901 | 67.430 | 76.901 | 107.448 | 130.922 | 137.852 | 130.922 |
| 102.5 | 153.758 | 147.290 | 121.957 | 91.795 | 85.503 | 91.795 | 121.957 | 147.290 | 153.758 | 147.290 |
| 105.0 | 171.039 | 164.472 | 137.390 | 108.471 | 102.234 | 108.471 | 137.390 | 164.472 | 171.039 | 164.472 |
| 107.5 | 186.978 | 179.102 | 153.340 | 126.071 | 121.726 | 126.071 | 153.340 | 179.102 | 186.978 | 179.102 |
| 110.0 | 201.729 | 194.238 | 170.588 | 144.617 | 141.757 | 144.617 | 170.588 | 194.238 | 201.729 | 194.238 |
| 112.5 | 216.821 | 210.221 | 187.517 | 164.175 | 155.485 | 164.175 | 187.517 | 210.221 | 216.821 | 210.221 |
| 115.0 | 234.993 | 228.074 | 206.393 | 182.523 | 181.280 | 182.523 | 206.393 | 228.074 | 234.993 | 228.074 |
| 117.5 | 254.144 | 247.170 | 225.643 | 203.060 | 200.398 | 203.060 | 225.643 | 247.170 | 254.144 | 247.170 |
| 120.0 | 272.833 | 267.619 | 244.486 | 222.992 | 217.613 | 222.992 | 244.486 | 267.619 | 272.833 | 267.619 |
| 122.5 | 291.973 | 286.594 | 265.540 | 247.236 | 237.314 | 247.236 | 265.540 | 286.594 | 291.973 | 286.594 |
| 125.0 | 310.376 | 305.437 | 286.286 | 266.024 | 263.659 | 266.024 | 286.286 | 305.437 | 310.376 | 305.437 |
| 127.5 | 330.693 | 325.193 | 305.987 | 285.230 | 278.212 | 285.230 | 305.987 | 325.193 | 330.693 | 325.193 |
| 130.0 | 350.152 | 345.048 | 327.679 | 307.175 | 300.168 | 307.175 | 327.679 | 345.048 | 350.152 | 345.048 |
| 132.5 | 369.963 | 364.243 | 350.691 | 326.326 | 325.578 | 326.326 | 350.691 | 364.243 | 369.963 | 364.243 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : QUAD-30-LED35-MO-D9.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 135.0 | 388.993 | 382.833 | 369.094 | 346.566 | 345.609 | 346.566 | 369.094 | 382.833 | 388.993 | 382.833 |
| 137.5 | 406.296 | 400.367 | 386.914 | 367.851 | 361.240 | 367.851 | 386.914 | 400.367 | 406.296 | 400.367 |
| 140.0 | 424.600 | 417.692 | 404.492 | 393.041 | 381.150 | 393.041 | 404.492 | 417.692 | 424.600 | 417.692 |
| 142.5 | 439.835 | 434.588 | 421.432 | 413.391 | 406.439 | 413.391 | 421.432 | 434.588 | 439.835 | 434.588 |
| 145.0 | 456.390 | 450.076 | 440.275 | 429.165 | 428.406 | 429.165 | 440.275 | 450.076 | 456.390 | 450.076 |
| 147.5 | 470.107 | 465.234 | 456.599 | 445.544 | 443.080 | 445.544 | 456.599 | 465.234 | 470.107 | 465.234 |
| 150.0 | 485.045 | 479.226 | 471.020 | 460.317 | 458.150 | 460.317 | 471.020 | 479.226 | 485.045 | 479.226 |
| 152.5 | 497.365 | 492.976 | 484.044 | 477.048 | 471.372 | 477.048 | 484.044 | 492.976 | 497.365 | 492.976 |
| 155.0 | 510.488 | 505.164 | 497.915 | 491.403 | 488.818 | 491.403 | 497.915 | 505.164 | 510.488 | 505.164 |
| 157.5 | 521.015 | 517.044 | 509.729 | 503.349 | 502.832 | 503.349 | 509.729 | 517.044 | 521.015 | 517.044 |
| 160.0 | 530.068 | 527.428 | 521.224 | 514.712 | 513.634 | 514.712 | 521.224 | 527.428 | 530.068 | 527.428 |
| 162.5 | 539.000 | 536.382 | 532.510 | 526.845 | 525.305 | 526.845 | 532.510 | 536.382 | 539.000 | 536.382 |
| 165.0 | 546.623 | 544.423 | 540.419 | 536.470 | 535.854 | 536.470 | 540.419 | 544.423 | 546.623 | 544.423 |
| 167.5 | 552.574 | 551.133 | 548.284 | 545.292 | 546.524 | 545.292 | 548.284 | 551.133 | 552.574 | 551.133 |
| 170.0 | 557.942 | 557.040 | 554.290 | 551.331 | 552.948 | 551.331 | 554.290 | 557.040 | 557.942 | 557.040 |
| 172.5 | 561.682 | 561.044 | 559.603 | 557.469 | 557.304 | 557.469 | 559.603 | 561.044 | 561.682 | 561.044 |
| 175.0 | 564.949 | 564.564 | 562.639 | 562.056 | 563.112 | 562.056 | 562.639 | 564.564 | 564.949 | 564.564 |
| 177.5 | 566.709 | 566.060 | 565.345 | 564.333 | 564.531 | 564.333 | 565.345 | 566.060 | 566.709 | 566.060 |
| 180.0 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 |

Vert. Angles **Horizontal Angles**

| | 225.0 | 247.5 | 270.0 | 292.5 | 315.0 | 337.5 | 360.0 |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 | 2874.619 |
| 2.5 | 2870.879 | 2869.900 | 2870.373 | 2869.900 | 2870.879 | 2871.704 | 2870.978 |
| 5.0 | 2860.143 | 2859.890 | 2858.988 | 2859.890 | 2860.143 | 2860.880 | 2860.814 |
| 7.5 | 2842.961 | 2842.543 | 2842.235 | 2842.543 | 2842.961 | 2843.423 | 2843.247 |
| 10.0 | 2818.112 | 2817.738 | 2817.034 | 2817.738 | 2818.112 | 2819.553 | 2819.124 |
| 12.5 | 2787.455 | 2786.982 | 2786.025 | 2786.982 | 2787.455 | 2789.259 | 2788.313 |
| 15.0 | 2751.386 | 2749.934 | 2749.626 | 2749.934 | 2751.386 | 2752.530 | 2753.025 |
| 17.5 | 2709.267 | 2706.682 | 2706.000 | 2706.682 | 2709.267 | 2710.169 | 2710.070 |
| 20.0 | 2660.471 | 2658.337 | 2656.148 | 2658.337 | 2660.471 | 2661.846 | 2662.605 |
| 22.5 | 2605.735 | 2602.435 | 2601.467 | 2602.435 | 2605.735 | 2607.946 | 2608.320 |
| 25.0 | 2545.477 | 2542.969 | 2541.803 | 2542.969 | 2545.477 | 2548.370 | 2548.920 |
| 27.5 | 2478.938 | 2475.957 | 2473.988 | 2475.957 | 2478.938 | 2482.821 | 2483.932 |
| 30.0 | 2408.571 | 2405.172 | 2402.807 | 2405.172 | 2408.571 | 2411.838 | 2411.981 |
| 32.5 | 2332.451 | 2328.634 | 2328.425 | 2328.634 | 2332.451 | 2336.499 | 2336.653 |
| 35.0 | 2252.767 | 2247.476 | 2248.026 | 2247.476 | 2252.767 | 2257.123 | 2258.421 |
| 37.5 | 2167.660 | 2162.501 | 2162.798 | 2162.501 | 2167.660 | 2172.610 | 2174.700 |
| 40.0 | 2079.176 | 2073.522 | 2071.740 | 2073.522 | 2079.176 | 2083.983 | 2087.514 |
| 42.5 | 1985.126 | 1980.022 | 1979.230 | 1980.022 | 1985.126 | 1991.418 | 1992.529 |
| 45.0 | 1889.767 | 1882.683 | 1881.396 | 1882.683 | 1889.767 | 1895.729 | 1894.607 |
| 47.5 | 1789.205 | 1782.517 | 1780.834 | 1782.517 | 1789.205 | 1795.134 | 1794.452 |
| 50.0 | 1685.453 | 1679.777 | 1676.433 | 1679.777 | 1685.453 | 1690.975 | 1691.470 |
| 52.5 | 1579.941 | 1573.605 | 1570.316 | 1573.605 | 1579.941 | 1585.045 | 1586.057 |
| 55.0 | 1471.635 | 1465.002 | 1461.471 | 1465.002 | 1471.635 | 1477.740 | 1478.554 |
| 57.5 | 1361.019 | 1354.177 | 1351.427 | 1354.177 | 1361.019 | 1367.487 | 1366.981 |
| 60.0 | 1249.963 | 1242.945 | 1241.570 | 1242.945 | 1249.963 | 1256.035 | 1255.386 |
| 62.5 | 1136.971 | 1131.911 | 1129.568 | 1131.911 | 1136.971 | 1142.812 | 1143.758 |
| 65.0 | 1024.111 | 1018.193 | 1017.654 | 1018.193 | 1024.111 | 1029.094 | 1032.086 |
| 67.5 | 910.877 | 905.564 | 905.256 | 905.564 | 910.877 | 916.916 | 918.709 |
| 70.0 | 796.466 | 792.385 | 792.924 | 792.385 | 796.466 | 803.473 | 804.529 |
| 72.5 | 684.574 | 681.098 | 681.758 | 681.098 | 684.574 | 691.009 | 692.593 |
| 75.0 | 575.619 | 572.363 | 572.869 | 572.363 | 575.619 | 580.536 | 583.088 |
| 77.5 | 467.181 | 465.531 | 465.377 | 465.531 | 467.181 | 472.340 | 475.673 |
| 80.0 | 361.548 | 360.591 | 360.382 | 360.591 | 361.548 | 366.927 | 369.611 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|
| 82.5 | 260.150 | 259.314 | 261.558 | 259.314 | 260.150 | 265.969 | 266.189 |
| 85.0 | 164.681 | 165.187 | 166.925 | 165.187 | 164.681 | 168.960 | 169.664 |
| 87.5 | 74.283 | 75.339 | 76.010 | 75.339 | 74.283 | 80.729 | 80.509 |
| 90.0 | 72.699 | 38.841 | 9.702 | 38.841 | 72.699 | 83.732 | 81.147 |
| 92.5 | 77.275 | 44.528 | 20.383 | 44.528 | 77.275 | 102.443 | 110.143 |
| 95.0 | 81.719 | 52.261 | 36.421 | 52.261 | 81.719 | 104.159 | 110.561 |
| 97.5 | 93.104 | 63.217 | 49.819 | 63.217 | 93.104 | 116.490 | 123.024 |
| 100.0 | 107.448 | 76.901 | 67.430 | 76.901 | 107.448 | 130.922 | 137.852 |
| 102.5 | 121.957 | 91.795 | 85.503 | 91.795 | 121.957 | 147.290 | 153.758 |
| 105.0 | 137.390 | 108.471 | 102.234 | 108.471 | 137.390 | 164.472 | 171.039 |
| 107.5 | 153.340 | 126.071 | 121.726 | 126.071 | 153.340 | 179.102 | 186.978 |
| 110.0 | 170.588 | 144.617 | 141.757 | 144.617 | 170.588 | 194.238 | 201.729 |
| 112.5 | 187.517 | 164.175 | 155.485 | 164.175 | 187.517 | 210.221 | 216.821 |
| 115.0 | 206.393 | 182.523 | 181.280 | 182.523 | 206.393 | 228.074 | 234.993 |
| 117.5 | 225.643 | 203.060 | 200.398 | 203.060 | 225.643 | 247.170 | 254.144 |
| 120.0 | 244.486 | 222.992 | 217.613 | 222.992 | 244.486 | 267.619 | 272.833 |
| 122.5 | 265.540 | 247.236 | 237.314 | 247.236 | 265.540 | 286.594 | 291.973 |
| 125.0 | 286.286 | 266.024 | 263.659 | 266.024 | 286.286 | 305.437 | 310.376 |
| 127.5 | 305.987 | 285.230 | 278.212 | 285.230 | 305.987 | 325.193 | 330.693 |
| 130.0 | 327.679 | 307.175 | 300.168 | 307.175 | 327.679 | 345.048 | 350.152 |
| 132.5 | 350.691 | 326.326 | 325.578 | 326.326 | 350.691 | 364.243 | 369.963 |
| 135.0 | 369.094 | 346.566 | 345.609 | 346.566 | 369.094 | 382.833 | 388.993 |
| 137.5 | 386.914 | 367.851 | 361.240 | 367.851 | 386.914 | 400.367 | 406.296 |
| 140.0 | 404.492 | 393.041 | 381.150 | 393.041 | 404.492 | 417.692 | 424.600 |
| 142.5 | 421.432 | 413.391 | 406.439 | 413.391 | 421.432 | 434.588 | 439.835 |
| 145.0 | 440.275 | 429.165 | 428.406 | 429.165 | 440.275 | 450.076 | 456.390 |
| 147.5 | 456.599 | 445.544 | 443.080 | 445.544 | 456.599 | 465.234 | 470.107 |
| 150.0 | 471.020 | 460.317 | 458.150 | 460.317 | 471.020 | 479.226 | 485.045 |
| 152.5 | 484.044 | 477.048 | 471.372 | 477.048 | 484.044 | 492.976 | 497.365 |
| 155.0 | 497.915 | 491.403 | 488.818 | 491.403 | 497.915 | 505.164 | 510.488 |
| 157.5 | 509.729 | 503.349 | 502.832 | 503.349 | 509.729 | 517.044 | 521.015 |
| 160.0 | 521.224 | 514.712 | 513.634 | 514.712 | 521.224 | 527.428 | 530.068 |
| 162.5 | 532.510 | 526.845 | 525.305 | 526.845 | 532.510 | 536.382 | 539.000 |
| 165.0 | 540.419 | 536.470 | 535.854 | 536.470 | 540.419 | 544.423 | 546.623 |
| 167.5 | 548.284 | 545.292 | 546.524 | 545.292 | 548.284 | 551.133 | 552.574 |
| 170.0 | 554.290 | 551.331 | 552.948 | 551.331 | 554.290 | 557.040 | 557.942 |
| 172.5 | 559.603 | 557.469 | 557.304 | 557.469 | 559.603 | 561.044 | 561.682 |
| 175.0 | 562.639 | 562.056 | 563.112 | 562.056 | 562.639 | 564.564 | 564.949 |
| 177.5 | 565.345 | 564.333 | 564.531 | 564.333 | 565.345 | 566.060 | 566.709 |
| 180.0 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 | 565.741 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : QUAD-30-LED35-MO-D9.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1048.01 | N.A. | 10.60 |
| 0-30 | 2220.75 | N.A. | 22.40 |
| 0-40 | 3629.65 | N.A. | 36.60 |
| 0-60 | 6400.99 | N.A. | 64.60 |
| 0-80 | 8024.41 | N.A. | 81.00 |
| 0-90 | 8219.84 | N.A. | 83.00 |
| 10-90 | 7948.14 | N.A. | 80.20 |
| 20-40 | 2581.64 | N.A. | 26.10 |
| 20-50 | 4038.35 | N.A. | 40.80 |
| 40-70 | 3784.93 | N.A. | 38.20 |
| 60-80 | 1623.43 | N.A. | 16.40 |
| 70-80 | 609.83 | N.A. | 6.20 |
| 80-90 | 195.43 | N.A. | 2.00 |
| 90-110 | 232.44 | N.A. | 2.30 |
| 90-120 | 437.13 | N.A. | 4.40 |
| 90-130 | 692.82 | N.A. | 7.00 |
| 90-150 | 1250.58 | N.A. | 12.60 |
| 90-180 | 1686.12 | N.A. | 17.00 |
| 110-180 | 1453.68 | N.A. | 14.70 |
| 0-180 | 9905.96 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 271.70 |
| 10-20 | 776.31 |
| 20-30 | 1172.74 |
| 30-40 | 1408.9 |
| 40-50 | 1456.7 |
| 50-60 | 1314.63 |
| 60-70 | 1013.6 |
| 70-80 | 609.83 |
| 80-90 | 195.43 |
| 90-100 | 87.89 |
| 100-110 | 144.55 |
| 110-120 | 204.69 |
| 120-130 | 255.70 |
| 130-140 | 282.60 |
| 140-150 | 275.15 |
| 150-160 | 229.53 |
| 160-170 | 152.53 |
| 170-180 | 53.48 |

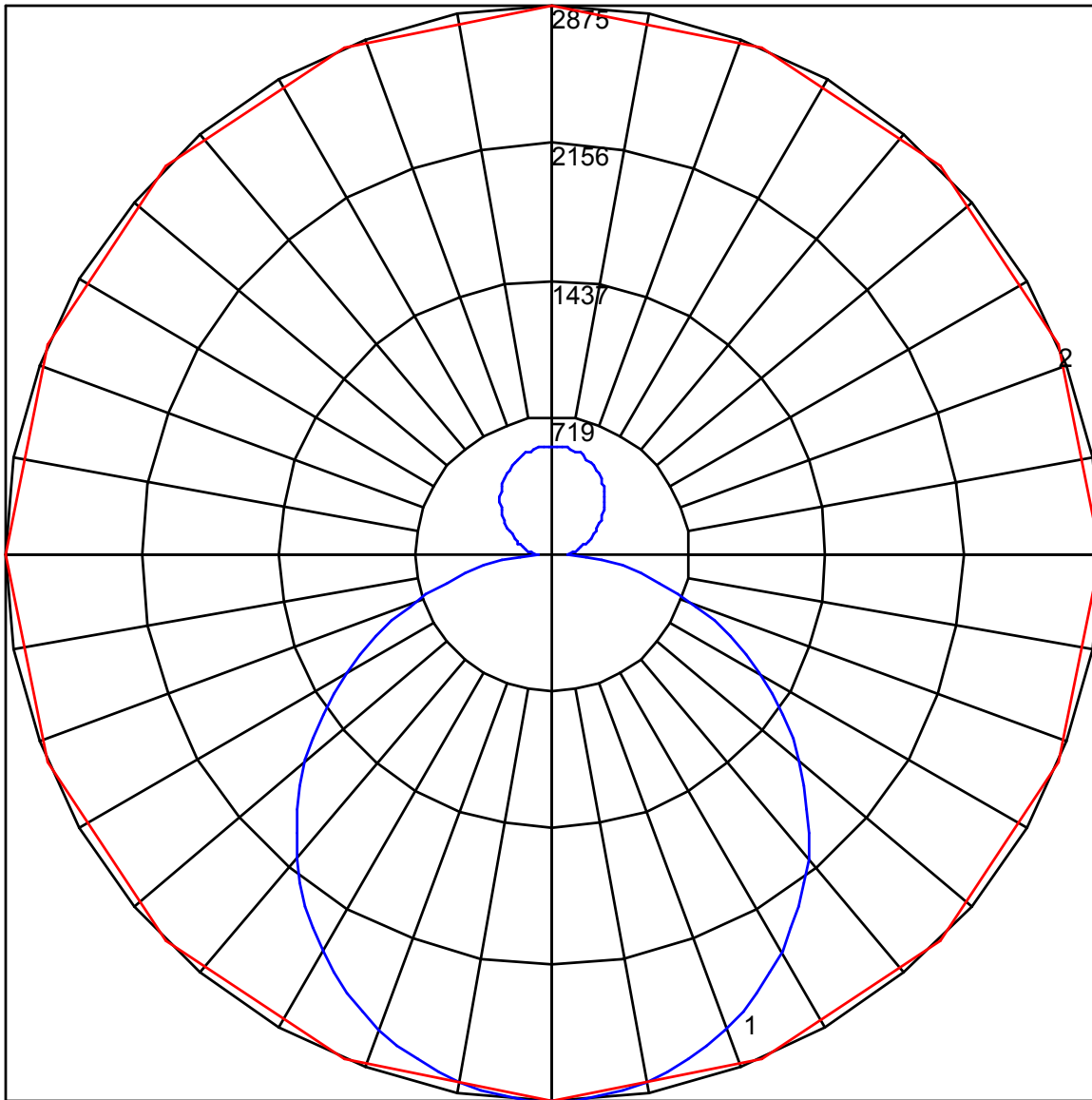
IES INDOOR REPORT
PHOTOMETRIC FILENAME : QUAD-30-LED35-MO-D9.IES

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 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 110 | 102 | 102 | 102 | 94 | 94 | 94 | 86 | 86 | 86 | 83 |
| 1 | 105 | 100 | 96 | 92 | 100 | 96 | 92 | 89 | 89 | 86 | 83 | 82 | 80 | 77 | 76 | 74 | 72 | 69 |
| 2 | 95 | 87 | 80 | 75 | 91 | 84 | 78 | 72 | 77 | 72 | 68 | 72 | 68 | 64 | 66 | 63 | 60 | 57 |
| 3 | 87 | 76 | 68 | 62 | 83 | 73 | 66 | 60 | 68 | 62 | 57 | 63 | 58 | 54 | 58 | 54 | 51 | 48 |
| 4 | 79 | 67 | 59 | 52 | 76 | 65 | 57 | 51 | 60 | 54 | 48 | 56 | 50 | 46 | 52 | 47 | 44 | 41 |
| 5 | 73 | 60 | 51 | 45 | 69 | 58 | 50 | 44 | 54 | 47 | 42 | 50 | 44 | 40 | 47 | 42 | 38 | 35 |
| 6 | 67 | 54 | 45 | 39 | 64 | 52 | 44 | 38 | 49 | 42 | 36 | 45 | 39 | 35 | 42 | 37 | 33 | 31 |
| 7 | 62 | 49 | 40 | 34 | 59 | 47 | 39 | 34 | 44 | 37 | 32 | 41 | 35 | 31 | 39 | 33 | 30 | 27 |
| 8 | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 30 | 40 | 34 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 24 |
| 9 | 54 | 41 | 33 | 27 | 52 | 40 | 32 | 27 | 37 | 30 | 26 | 35 | 29 | 25 | 33 | 28 | 24 | 22 |
| 10 | 50 | 38 | 30 | 25 | 48 | 36 | 29 | 24 | 34 | 28 | 23 | 32 | 27 | 22 | 30 | 25 | 22 | 20 |

POLAR GRAPH



Maximum Candela = 2874.619 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)