



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTRI-PRO-33-LED35-SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] BTRI-33-LED35-SO
 [TESTLAB] INTERTEK
 [ISSUE DATE] 8-9-18
 [MANUFAC] PRUDENTIAL
 [_TOTALLUMINAIRELUMENS] 4579

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 10533 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 124 |
| Total Luminaire Watts | 85 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.26 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.40 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 3.29 ft |
| Luminous Width (90-270) | 0.17 ft |
| Luminous Height | 0.15 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 51310 | 32702 | 28374 |
| 55 | 51659 | 29246 | 24332 |
| 65 | 53660 | 25653 | 20465 |
| 75 | 58580 | 21365 | 16065 |
| 85 | 76817 | 15598 | 10791 |

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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 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 |
| 2.5 | 2871.09 | 2849.70 | 2856.60 | 2869.94 | 2875.92 | 2865.11 | 2856.14 | 2847.86 | 2879.60 | 2847.86 |
| 5.0 | 2879.37 | 2854.76 | 2861.20 | 2876.15 | 2877.30 | 2859.82 | 2849.70 | 2852.00 | 2877.76 | 2852.00 |
| 7.5 | 2851.54 | 2833.60 | 2846.25 | 2861.89 | 2871.78 | 2852.92 | 2849.70 | 2846.71 | 2888.34 | 2846.71 |
| 10.0 | 2829.23 | 2806.23 | 2830.15 | 2840.73 | 2847.86 | 2835.67 | 2815.43 | 2823.25 | 2854.99 | 2823.25 |
| 12.5 | 2804.16 | 2774.95 | 2806.23 | 2811.75 | 2815.89 | 2798.41 | 2785.53 | 2800.25 | 2818.88 | 2800.25 |
| 15.0 | 2765.52 | 2737.46 | 2769.89 | 2773.34 | 2775.64 | 2759.54 | 2746.89 | 2752.41 | 2783.00 | 2752.41 |
| 17.5 | 2722.05 | 2690.77 | 2721.36 | 2728.03 | 2720.90 | 2719.29 | 2705.26 | 2713.08 | 2738.84 | 2713.08 |
| 20.0 | 2666.39 | 2633.73 | 2664.32 | 2676.74 | 2663.86 | 2669.15 | 2647.99 | 2652.59 | 2699.74 | 2652.59 |
| 22.5 | 2608.20 | 2577.15 | 2604.75 | 2613.72 | 2601.07 | 2614.64 | 2590.03 | 2588.88 | 2619.24 | 2588.88 |
| 25.0 | 2550.47 | 2506.31 | 2534.14 | 2547.94 | 2533.91 | 2545.64 | 2530.23 | 2526.32 | 2553.92 | 2526.32 |
| 27.5 | 2477.56 | 2434.09 | 2464.68 | 2489.06 | 2463.30 | 2475.95 | 2463.30 | 2467.21 | 2491.59 | 2467.21 |
| 30.0 | 2394.30 | 2365.78 | 2394.30 | 2409.48 | 2388.32 | 2404.65 | 2385.33 | 2385.33 | 2426.27 | 2385.33 |
| 32.5 | 2323.23 | 2289.19 | 2324.38 | 2336.57 | 2310.35 | 2327.60 | 2305.75 | 2312.88 | 2347.15 | 2312.88 |
| 35.0 | 2251.01 | 2211.45 | 2247.79 | 2260.67 | 2232.15 | 2246.87 | 2228.47 | 2240.20 | 2274.93 | 2240.20 |
| 37.5 | 2172.12 | 2134.17 | 2171.66 | 2187.99 | 2155.33 | 2167.06 | 2153.03 | 2165.45 | 2202.48 | 2165.45 |
| 40.0 | 2087.02 | 2055.74 | 2095.99 | 2112.78 | 2083.57 | 2084.95 | 2076.67 | 2096.91 | 2127.50 | 2096.91 |
| 42.5 | 2004.91 | 1978.92 | 2022.62 | 2041.25 | 2002.15 | 2006.29 | 1999.85 | 2018.02 | 2056.20 | 2018.02 |
| 45.0 | 1932.92 | 1903.02 | 1946.49 | 1968.80 | 1919.12 | 1925.33 | 1919.35 | 1944.42 | 1985.13 | 1944.42 |
| 47.5 | 1854.72 | 1823.44 | 1877.49 | 1893.36 | 1841.61 | 1845.75 | 1842.53 | 1873.58 | 1909.23 | 1873.58 |
| 50.0 | 1774.45 | 1747.08 | 1799.75 | 1820.22 | 1767.32 | 1763.41 | 1765.48 | 1796.99 | 1838.39 | 1796.99 |
| 52.5 | 1688.89 | 1667.73 | 1725.92 | 1744.55 | 1683.83 | 1681.30 | 1684.98 | 1716.72 | 1762.49 | 1716.72 |
| 55.0 | 1607.24 | 1589.30 | 1650.25 | 1667.27 | 1601.72 | 1597.58 | 1598.96 | 1641.74 | 1689.58 | 1641.74 |
| 57.5 | 1525.13 | 1508.57 | 1572.51 | 1589.53 | 1523.52 | 1512.94 | 1516.16 | 1563.08 | 1610.00 | 1563.08 |
| 60.0 | 1444.86 | 1427.15 | 1492.01 | 1512.48 | 1439.11 | 1427.84 | 1431.52 | 1478.90 | 1530.19 | 1478.90 |
| 62.5 | 1357.23 | 1342.97 | 1411.28 | 1427.84 | 1354.70 | 1340.90 | 1343.89 | 1394.03 | 1442.10 | 1394.03 |
| 65.0 | 1266.84 | 1256.03 | 1324.11 | 1341.36 | 1269.14 | 1245.45 | 1253.96 | 1309.85 | 1354.70 | 1309.85 |
| 67.5 | 1174.38 | 1170.47 | 1238.09 | 1254.88 | 1176.45 | 1156.67 | 1163.57 | 1219.92 | 1268.91 | 1219.92 |
| 70.0 | 1085.60 | 1078.01 | 1147.24 | 1164.95 | 1085.83 | 1060.76 | 1069.96 | 1125.16 | 1173.69 | 1125.16 |
| 72.5 | 998.20 | 989.23 | 1058.46 | 1074.10 | 995.21 | 971.29 | 978.42 | 1033.85 | 1075.02 | 1033.85 |
| 75.0 | 901.37 | 896.31 | 966.46 | 980.03 | 904.82 | 877.68 | 885.27 | 939.09 | 983.71 | 939.09 |
| 77.5 | 804.77 | 806.38 | 872.85 | 886.65 | 808.68 | 785.45 | 790.05 | 843.87 | 883.89 | 843.87 |
| 80.0 | 713.23 | 710.70 | 779.70 | 793.50 | 718.52 | 691.38 | 696.90 | 750.26 | 788.90 | 750.26 |
| 82.5 | 619.62 | 616.17 | 684.25 | 697.13 | 623.30 | 596.85 | 605.13 | 655.04 | 686.78 | 655.04 |
| 85.0 | 514.51 | 516.81 | 584.66 | 594.32 | 527.85 | 495.88 | 502.32 | 555.68 | 582.59 | 555.68 |
| 87.5 | 384.56 | 389.39 | 451.72 | 458.39 | 406.18 | 362.94 | 365.70 | 416.07 | 435.39 | 416.07 |
| 90.0 | 261.97 | 267.03 | 320.62 | 336.26 | 288.88 | 267.49 | 265.19 | 307.74 | 330.74 | 307.74 |
| 92.5 | 240.81 | 244.95 | 293.48 | 308.89 | 268.64 | 252.31 | 253.23 | 288.88 | 307.51 | 288.88 |
| 95.0 | 238.05 | 238.51 | 285.20 | 304.06 | 279.68 | 264.50 | 268.87 | 296.93 | 297.16 | 296.93 |
| 97.5 | 257.60 | 250.24 | 293.71 | 316.71 | 294.86 | 286.81 | 287.96 | 300.84 | 308.20 | 300.84 |
| 100.0 | 274.85 | 261.05 | 287.73 | 298.54 | 272.09 | 273.01 | 269.33 | 279.91 | 306.59 | 279.91 |
| 102.5 | 270.48 | 255.76 | 271.86 | 274.62 | 246.79 | 250.01 | 247.71 | 260.82 | 296.93 | 260.82 |
| 105.0 | 256.91 | 242.19 | 263.35 | 255.99 | 228.85 | 227.93 | 225.40 | 251.62 | 282.21 | 251.62 |
| 107.5 | 238.74 | 231.84 | 254.15 | 243.34 | 209.53 | 212.75 | 217.12 | 243.11 | 274.85 | 243.11 |
| 110.0 | 230.00 | 226.55 | 246.33 | 231.61 | 200.56 | 198.49 | 209.30 | 233.68 | 264.96 | 233.68 |
| 112.5 | 219.42 | 216.43 | 230.23 | 223.79 | 194.12 | 190.21 | 199.64 | 221.95 | 257.14 | 221.95 |
| 115.0 | 214.36 | 200.79 | 214.82 | 213.67 | 185.61 | 183.31 | 185.38 | 209.30 | 247.25 | 209.30 |
| 117.5 | 198.72 | 177.33 | 203.32 | 204.24 | 178.71 | 175.95 | 175.26 | 203.55 | 234.60 | 203.55 |
| 120.0 | 190.67 | 161.00 | 192.51 | 194.12 | 173.65 | 168.13 | 159.39 | 192.97 | 224.02 | 192.97 |
| 122.5 | 168.36 | 152.72 | 180.78 | 186.76 | 166.75 | 158.70 | 150.19 | 180.09 | 215.51 | 180.09 |
| 125.0 | 150.65 | 144.21 | 171.12 | 175.49 | 156.63 | 153.41 | 142.14 | 173.19 | 203.09 | 173.19 |
| 127.5 | 137.54 | 134.78 | 163.07 | 167.21 | 148.58 | 141.91 | 134.09 | 164.91 | 191.82 | 164.91 |
| 130.0 | 126.96 | 128.80 | 154.10 | 158.70 | 140.76 | 130.64 | 127.19 | 152.72 | 178.94 | 152.72 |
| 132.5 | 120.29 | 124.43 | 147.66 | 150.42 | 129.95 | 123.97 | 121.67 | 143.52 | 166.06 | 143.52 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 135.0 | 112.47 | 116.84 | 143.06 | 141.91 | 117.53 | 116.38 | 114.54 | 135.70 | 156.86 | 135.70 |
| 137.5 | 108.10 | 114.54 | 139.38 | 141.68 | 114.31 | 109.25 | 109.48 | 127.19 | 145.82 | 127.19 |
| 140.0 | 97.98 | 109.94 | 133.40 | 132.94 | 103.73 | 101.20 | 103.50 | 122.82 | 139.61 | 122.82 |
| 142.5 | 94.30 | 103.04 | 128.34 | 126.04 | 99.59 | 91.08 | 97.06 | 117.76 | 129.26 | 117.76 |
| 145.0 | 86.71 | 100.51 | 118.22 | 119.83 | 89.70 | 84.87 | 89.01 | 109.48 | 121.21 | 109.48 |
| 147.5 | 80.04 | 98.67 | 114.54 | 112.01 | 84.64 | 78.20 | 83.95 | 101.66 | 109.25 | 101.66 |
| 150.0 | 73.37 | 96.60 | 105.11 | 106.95 | 80.27 | 71.07 | 77.97 | 94.99 | 103.27 | 94.99 |
| 152.5 | 69.46 | 89.93 | 100.28 | 96.60 | 76.82 | 64.63 | 75.21 | 89.01 | 91.54 | 89.01 |
| 155.0 | 60.72 | 84.18 | 91.54 | 87.86 | 66.70 | 58.42 | 70.15 | 81.19 | 80.50 | 81.19 |
| 157.5 | 63.48 | 78.43 | 81.65 | 78.43 | 65.78 | 57.04 | 68.77 | 72.91 | 73.14 | 72.91 |
| 160.0 | 66.24 | 67.16 | 73.14 | 72.22 | 58.88 | 55.89 | 61.18 | 65.55 | 65.78 | 65.55 |
| 162.5 | 59.34 | 59.11 | 62.79 | 60.26 | 52.67 | 53.36 | 54.51 | 57.50 | 53.82 | 57.50 |
| 165.0 | 51.06 | 53.36 | 54.28 | 50.83 | 44.39 | 44.16 | 46.23 | 48.07 | 49.68 | 48.07 |
| 167.5 | 41.86 | 42.32 | 46.46 | 46.46 | 38.87 | 35.88 | 37.72 | 39.10 | 40.71 | 39.10 |
| 170.0 | 36.11 | 35.65 | 37.49 | 35.19 | 34.27 | 29.90 | 29.21 | 33.12 | 31.97 | 33.12 |
| 172.5 | 28.06 | 29.44 | 30.82 | 31.51 | 26.91 | 25.07 | 24.61 | 23.23 | 22.77 | 23.23 |
| 175.0 | 23.46 | 23.46 | 23.46 | 23.23 | 22.54 | 21.85 | 19.55 | 19.09 | 17.71 | 19.09 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 | 2862.81 |
| 2.5 | 2856.14 | 2865.11 | 2875.92 | 2869.94 | 2856.60 | 2849.70 | 2871.09 |
| 5.0 | 2849.70 | 2859.82 | 2877.30 | 2876.15 | 2861.20 | 2854.76 | 2879.37 |
| 7.5 | 2849.70 | 2852.92 | 2871.78 | 2861.89 | 2846.25 | 2833.60 | 2851.54 |
| 10.0 | 2815.43 | 2835.67 | 2847.86 | 2840.73 | 2830.15 | 2806.23 | 2829.23 |
| 12.5 | 2785.53 | 2798.41 | 2815.89 | 2811.75 | 2806.23 | 2774.95 | 2804.16 |
| 15.0 | 2746.89 | 2759.54 | 2775.64 | 2773.34 | 2769.89 | 2737.46 | 2765.52 |
| 17.5 | 2705.26 | 2719.29 | 2720.90 | 2728.03 | 2721.36 | 2690.77 | 2722.05 |
| 20.0 | 2647.99 | 2669.15 | 2663.86 | 2676.74 | 2664.32 | 2633.73 | 2666.39 |
| 22.5 | 2590.03 | 2614.64 | 2601.07 | 2613.72 | 2604.75 | 2577.15 | 2608.20 |
| 25.0 | 2530.23 | 2545.64 | 2533.91 | 2547.94 | 2534.14 | 2506.31 | 2550.47 |
| 27.5 | 2463.30 | 2475.95 | 2463.30 | 2489.06 | 2464.68 | 2434.09 | 2477.56 |
| 30.0 | 2385.33 | 2404.65 | 2388.32 | 2409.48 | 2394.30 | 2365.78 | 2394.30 |
| 32.5 | 2305.75 | 2327.60 | 2310.35 | 2336.57 | 2324.38 | 2289.19 | 2323.23 |
| 35.0 | 2228.47 | 2246.87 | 2232.15 | 2260.67 | 2247.79 | 2211.45 | 2251.01 |
| 37.5 | 2153.03 | 2167.06 | 2155.33 | 2187.99 | 2171.66 | 2134.17 | 2172.12 |
| 40.0 | 2076.67 | 2084.95 | 2083.57 | 2112.78 | 2095.99 | 2055.74 | 2087.02 |
| 42.5 | 1999.85 | 2006.29 | 2002.15 | 2041.25 | 2022.62 | 1978.92 | 2004.91 |
| 45.0 | 1919.35 | 1925.33 | 1919.12 | 1968.80 | 1946.49 | 1903.02 | 1932.92 |
| 47.5 | 1842.53 | 1845.75 | 1841.61 | 1893.36 | 1877.49 | 1823.44 | 1854.72 |
| 50.0 | 1765.48 | 1763.41 | 1767.32 | 1820.22 | 1799.75 | 1747.08 | 1774.45 |
| 52.5 | 1684.98 | 1681.30 | 1683.83 | 1744.55 | 1725.92 | 1667.73 | 1688.89 |
| 55.0 | 1598.96 | 1597.58 | 1601.72 | 1667.27 | 1650.25 | 1589.30 | 1607.24 |
| 57.5 | 1516.16 | 1512.94 | 1523.52 | 1589.53 | 1572.51 | 1508.57 | 1525.13 |
| 60.0 | 1431.52 | 1427.84 | 1439.11 | 1512.48 | 1492.01 | 1427.15 | 1444.86 |
| 62.5 | 1343.89 | 1340.90 | 1354.70 | 1427.84 | 1411.28 | 1342.97 | 1357.23 |
| 65.0 | 1253.96 | 1245.45 | 1269.14 | 1341.36 | 1324.11 | 1256.03 | 1266.84 |
| 67.5 | 1163.57 | 1156.67 | 1176.45 | 1254.88 | 1238.09 | 1170.47 | 1174.38 |
| 70.0 | 1069.96 | 1060.76 | 1085.83 | 1164.95 | 1147.24 | 1078.01 | 1085.60 |
| 72.5 | 978.42 | 971.29 | 995.21 | 1074.10 | 1058.46 | 989.23 | 998.20 |
| 75.0 | 885.27 | 877.68 | 904.82 | 980.03 | 966.46 | 896.31 | 901.37 |
| 77.5 | 790.05 | 785.45 | 808.68 | 886.65 | 872.85 | 806.38 | 804.77 |
| 80.0 | 696.90 | 691.38 | 718.52 | 793.50 | 779.70 | 710.70 | 713.23 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|
| 82.5 | 605.13 | 596.85 | 623.30 | 697.13 | 684.25 | 616.17 | 619.62 |
| 85.0 | 502.32 | 495.88 | 527.85 | 594.32 | 584.66 | 516.81 | 514.51 |
| 87.5 | 365.70 | 362.94 | 406.18 | 458.39 | 451.72 | 389.39 | 384.56 |
| 90.0 | 265.19 | 267.49 | 288.88 | 336.26 | 320.62 | 267.03 | 261.97 |
| 92.5 | 253.23 | 252.31 | 268.64 | 308.89 | 293.48 | 244.95 | 240.81 |
| 95.0 | 268.87 | 264.50 | 279.68 | 304.06 | 285.20 | 238.51 | 238.05 |
| 97.5 | 287.96 | 286.81 | 294.86 | 316.71 | 293.71 | 250.24 | 257.60 |
| 100.0 | 269.33 | 273.01 | 272.09 | 298.54 | 287.73 | 261.05 | 274.85 |
| 102.5 | 247.71 | 250.01 | 246.79 | 274.62 | 271.86 | 255.76 | 270.48 |
| 105.0 | 225.40 | 227.93 | 228.85 | 255.99 | 263.35 | 242.19 | 256.91 |
| 107.5 | 217.12 | 212.75 | 209.53 | 243.34 | 254.15 | 231.84 | 238.74 |
| 110.0 | 209.30 | 198.49 | 200.56 | 231.61 | 246.33 | 226.55 | 230.00 |
| 112.5 | 199.64 | 190.21 | 194.12 | 223.79 | 230.23 | 216.43 | 219.42 |
| 115.0 | 185.38 | 183.31 | 185.61 | 213.67 | 214.82 | 200.79 | 214.36 |
| 117.5 | 175.26 | 175.95 | 178.71 | 204.24 | 203.32 | 177.33 | 198.72 |
| 120.0 | 159.39 | 168.13 | 173.65 | 194.12 | 192.51 | 161.00 | 190.67 |
| 122.5 | 150.19 | 158.70 | 166.75 | 186.76 | 180.78 | 152.72 | 168.36 |
| 125.0 | 142.14 | 153.41 | 156.63 | 175.49 | 171.12 | 144.21 | 150.65 |
| 127.5 | 134.09 | 141.91 | 148.58 | 167.21 | 163.07 | 134.78 | 137.54 |
| 130.0 | 127.19 | 130.64 | 140.76 | 158.70 | 154.10 | 128.80 | 126.96 |
| 132.5 | 121.67 | 123.97 | 129.95 | 150.42 | 147.66 | 124.43 | 120.29 |
| 135.0 | 114.54 | 116.38 | 117.53 | 141.91 | 143.06 | 116.84 | 112.47 |
| 137.5 | 109.48 | 109.25 | 114.31 | 141.68 | 139.38 | 114.54 | 108.10 |
| 140.0 | 103.50 | 101.20 | 103.73 | 132.94 | 133.40 | 109.94 | 97.98 |
| 142.5 | 97.06 | 91.08 | 99.59 | 126.04 | 128.34 | 103.04 | 94.30 |
| 145.0 | 89.01 | 84.87 | 89.70 | 119.83 | 118.22 | 100.51 | 86.71 |
| 147.5 | 83.95 | 78.20 | 84.64 | 112.01 | 114.54 | 98.67 | 80.04 |
| 150.0 | 77.97 | 71.07 | 80.27 | 106.95 | 105.11 | 96.60 | 73.37 |
| 152.5 | 75.21 | 64.63 | 76.82 | 96.60 | 100.28 | 89.93 | 69.46 |
| 155.0 | 70.15 | 58.42 | 66.70 | 87.86 | 91.54 | 84.18 | 60.72 |
| 157.5 | 68.77 | 57.04 | 65.78 | 78.43 | 81.65 | 78.43 | 63.48 |
| 160.0 | 61.18 | 55.89 | 58.88 | 72.22 | 73.14 | 67.16 | 66.24 |
| 162.5 | 54.51 | 53.36 | 52.67 | 60.26 | 62.79 | 59.11 | 59.34 |
| 165.0 | 46.23 | 44.16 | 44.39 | 50.83 | 54.28 | 53.36 | 51.06 |
| 167.5 | 37.72 | 35.88 | 38.87 | 46.46 | 46.46 | 42.32 | 41.86 |
| 170.0 | 29.21 | 29.90 | 34.27 | 35.19 | 37.49 | 35.65 | 36.11 |
| 172.5 | 24.61 | 25.07 | 26.91 | 31.51 | 30.82 | 29.44 | 28.06 |
| 175.0 | 19.55 | 21.85 | 22.54 | 23.23 | 23.46 | 23.46 | 23.46 |
| 177.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1051.07 | N.A. | 10.00 |
| 0-30 | 2219.66 | N.A. | 21.10 |
| 0-40 | 3623.95 | N.A. | 34.40 |
| 0-60 | 6574.18 | N.A. | 62.40 |
| 0-80 | 8825.44 | N.A. | 83.80 |
| 0-90 | 9398.97 | N.A. | 89.20 |
| 10-90 | 9126.68 | N.A. | 86.60 |
| 20-40 | 2572.88 | N.A. | 24.40 |
| 20-50 | 4069.06 | N.A. | 38.60 |
| 40-70 | 4226.2 | N.A. | 40.10 |
| 60-80 | 2251.26 | N.A. | 21.40 |
| 70-80 | 975.29 | N.A. | 9.30 |
| 80-90 | 573.53 | N.A. | 5.40 |
| 90-110 | 569.32 | N.A. | 5.40 |
| 90-120 | 771.06 | N.A. | 7.30 |
| 90-130 | 916.55 | N.A. | 8.70 |
| 90-150 | 1081.4 | N.A. | 10.30 |
| 90-180 | 1134.11 | N.A. | 10.80 |
| 110-180 | 564.80 | N.A. | 5.40 |
| 0-180 | 10533.09 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 272.29 |
| 10-20 | 778.78 |
| 20-30 | 1168.59 |
| 30-40 | 1404.29 |
| 40-50 | 1496.18 |
| 50-60 | 1454.06 |
| 60-70 | 1275.97 |
| 70-80 | 975.29 |
| 80-90 | 573.53 |
| 90-100 | 306.68 |
| 100-110 | 262.64 |
| 110-120 | 201.74 |
| 120-130 | 145.49 |
| 130-140 | 100.10 |
| 140-150 | 64.76 |
| 150-160 | 36.15 |
| 160-170 | 14.37 |
| 170-180 | 2.19 |

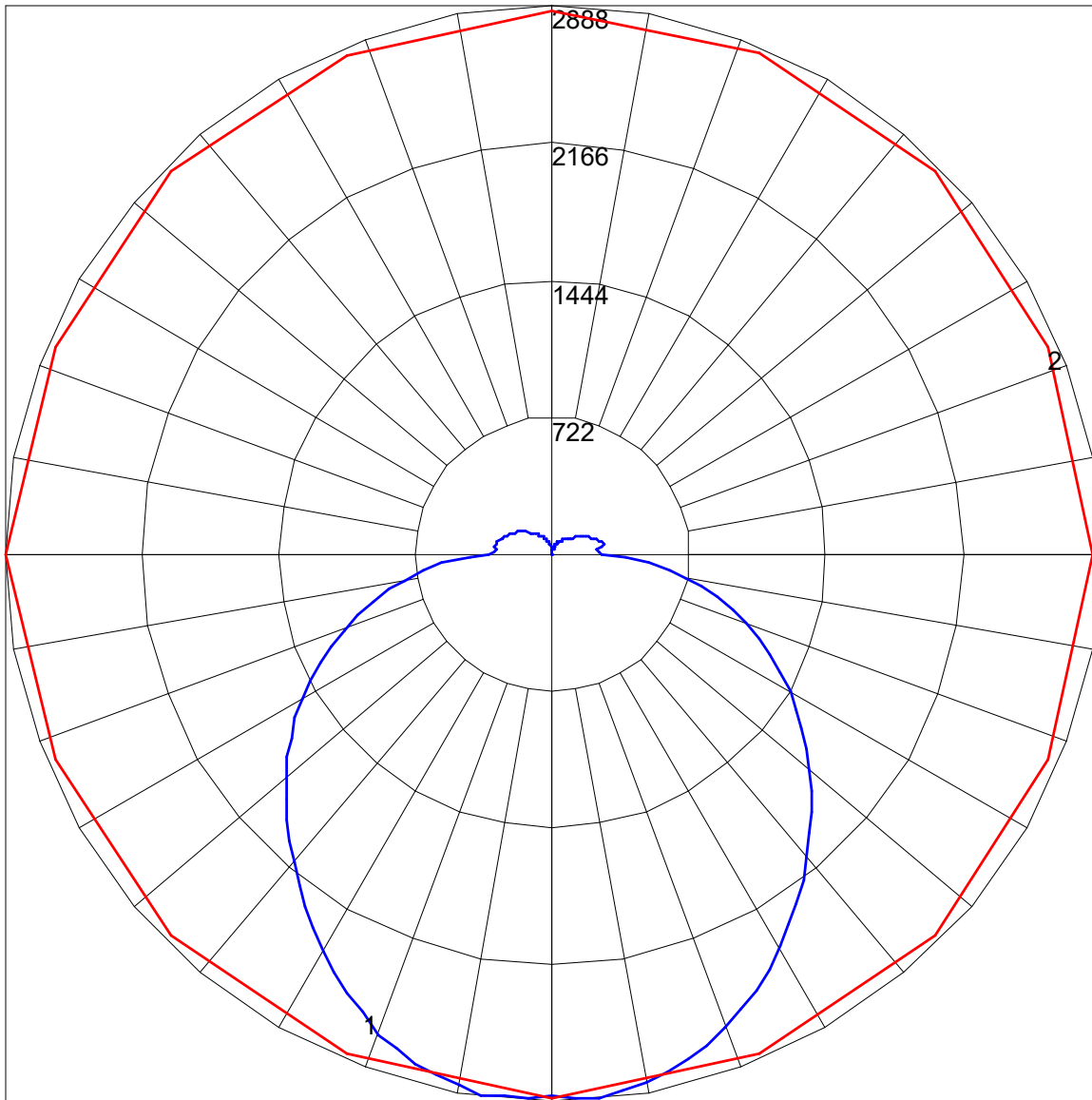
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BTRI-PRO-33-LED35-SO.IES

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 | 116 | 116 | 116 | 116 | 113 | 113 | 113 | 113 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |
| 1 | 104 | 99 | 94 | 89 | 100 | 95 | 91 | 87 | 89 | 85 | 82 | 83 | 80 | 77 | 78 | 75 | 73 | 70 |
| 2 | 94 | 85 | 77 | 71 | 90 | 82 | 75 | 69 | 77 | 71 | 66 | 72 | 67 | 63 | 67 | 63 | 60 | 57 |
| 3 | 85 | 74 | 65 | 58 | 82 | 71 | 63 | 57 | 67 | 60 | 54 | 63 | 57 | 52 | 59 | 54 | 50 | 47 |
| 4 | 78 | 65 | 56 | 49 | 74 | 63 | 54 | 48 | 59 | 52 | 46 | 55 | 49 | 44 | 52 | 47 | 42 | 40 |
| 5 | 71 | 58 | 48 | 41 | 68 | 56 | 47 | 41 | 53 | 45 | 39 | 49 | 43 | 38 | 47 | 41 | 36 | 34 |
| 6 | 66 | 52 | 43 | 36 | 63 | 50 | 42 | 35 | 47 | 40 | 34 | 45 | 38 | 33 | 42 | 36 | 32 | 30 |
| 7 | 61 | 47 | 38 | 32 | 58 | 46 | 37 | 31 | 43 | 36 | 30 | 41 | 34 | 29 | 38 | 33 | 28 | 26 |
| 8 | 57 | 43 | 34 | 28 | 54 | 42 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 26 | 35 | 29 | 25 | 23 |
| 9 | 53 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 36 | 29 | 24 | 34 | 28 | 23 | 33 | 27 | 23 | 21 |
| 10 | 49 | 36 | 28 | 23 | 48 | 35 | 27 | 22 | 33 | 26 | 22 | 32 | 26 | 21 | 30 | 25 | 21 | 19 |

POLAR GRAPH



Maximum Candela = 2888.34 Located At Horizontal Angle = 180, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)