



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 1

[TESTLAB] BEGHELLI

[TESTDATE] 08 March 2022

[ISSUEDATE] 2022-03-08 14:40:15

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] HZCAS6002HTLOWT50120-277V

[LAMP] LED

Note: Candela values converted from Type-B to Type-C

CHARACTERISTICS

Lumens Per Lamp	6953.4 (1 lamp)
Total Lamp Lumens	6953.4
Luminaire Lumens	6955
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	51.0069
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.60 m
Luminous Width (90-270)	0.60 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7974	7524	6814
55	8069	7645	6279
65	7453	7173	5173
75	4645	5266	3105
85	0	0	351

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2553.76	2553.60	2553.44	2553.29	2553.14	2552.99	2552.85	2552.72	2552.59	2552.39
5.0	2552.13	2551.82	2551.52	2551.23	2550.94	2550.61	2550.21	2549.82	2549.44	2548.89
7.5	2550.50	2550.06	2549.62	2549.16	2548.61	2548.02	2547.31	2546.70	2545.92	2545.17
10.0	2548.87	2548.30	2547.75	2547.04	2546.26	2545.42	2544.43	2543.45	2542.15	2540.85
12.5	2547.24	2546.56	2545.86	2544.92	2543.93	2542.78	2541.42	2539.77	2537.97	2536.00
15.0	2545.61	2544.84	2543.93	2542.74	2541.60	2540.10	2538.13	2535.79	2533.29	2530.29
17.5	2516.98	2516.25	2515.58	2515.04	2514.69	2513.97	2513.16	2512.31	2510.85	2510.30
20.0	2488.34	2487.51	2486.61	2485.81	2484.97	2483.90	2482.56	2480.52	2479.36	2477.80
22.5	2459.71	2458.73	2457.42	2456.53	2455.27	2453.52	2451.50	2449.30	2447.04	2444.58
25.0	2431.07	2429.99	2428.51	2427.09	2425.36	2422.95	2420.29	2417.37	2414.20	2410.73
27.5	2402.44	2401.16	2399.37	2397.58	2395.21	2392.23	2388.89	2385.07	2380.85	2376.62
30.0	2373.80	2372.32	2370.19	2368.10	2364.96	2361.40	2357.20	2352.38	2347.32	2342.03
32.5	2316.64	2315.31	2313.86	2312.90	2311.07	2309.34	2307.43	2305.24	2303.35	2301.39
35.0	2259.47	2258.04	2256.48	2254.98	2252.91	2250.57	2247.81	2244.53	2242.13	2239.04
37.5	2202.31	2200.78	2199.11	2197.12	2194.74	2191.60	2188.25	2184.50	2180.61	2176.37
40.0	2145.15	2143.52	2141.67	2139.31	2136.35	2132.66	2128.42	2123.83	2118.82	2113.62
42.5	2087.99	2086.27	2084.22	2081.51	2077.98	2073.60	2068.57	2062.89	2056.97	2050.70
45.0	2030.83	2029.01	2026.78	2023.69	2019.62	2014.64	2008.54	2001.95	1995.11	1987.97
47.5	1939.86	1938.25	1936.81	1935.11	1932.98	1930.81	1928.17	1925.68	1923.57	1921.90
50.0	1848.89	1846.96	1845.36	1843.15	1840.38	1837.48	1834.16	1831.05	1828.05	1825.34
52.5	1757.92	1755.97	1753.79	1750.92	1747.39	1744.26	1740.30	1736.42	1732.42	1728.60
55.0	1666.95	1664.87	1662.35	1659.04	1655.23	1651.03	1646.47	1641.76	1636.75	1631.73
57.5	1575.98	1573.73	1570.79	1566.93	1562.64	1557.85	1552.71	1547.11	1541.09	1534.69
60.0	1485.02	1482.59	1479.24	1474.85	1470.09	1464.78	1458.71	1452.53	1445.45	1437.54
62.5	1309.69	1308.04	1307.00	1306.54	1307.25	1308.93	1311.59	1314.77	1318.65	1322.45
65.0	1134.35	1132.70	1131.65	1131.21	1131.95	1133.73	1136.52	1139.90	1143.85	1147.60
67.5	959.02	957.38	956.33	955.67	956.74	958.71	961.72	965.34	969.31	973.36
70.0	783.68	782.06	781.05	780.68	781.64	783.85	787.14	791.05	795.25	799.70
72.5	608.35	606.75	605.80	605.49	606.65	608.85	612.78	617.03	621.58	626.52
75.0	433.02	431.44	430.58	430.35	431.74	434.53	438.62	443.25	448.20	453.87
77.5	216.51	216.22	217.28	219.61	223.69	229.36	236.59	244.79	253.85	263.79
80.0	0.00	0.80	3.19	7.13	12.57	19.50	27.89	37.61	48.57	60.70
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2552.30	2552.12	2551.95	2551.79	2551.63	2551.49	2551.35	2551.21	2551.09	2550.98
5.0	2548.62	2548.11	2547.61	2547.13	2546.66	2546.19	2545.66	2545.16	2544.68	2544.22
7.5	2544.31	2543.37	2542.46	2541.56	2540.56	2539.59	2538.67	2537.72	2536.63	2535.63
10.0	2539.45	2537.96	2536.44	2534.75	2533.01	2531.29	2529.47	2527.73	2526.03	2524.24
12.5	2533.82	2531.44	2528.98	2526.42	2523.86	2521.20	2518.61	2515.66	2512.82	2510.07
15.0	2527.16	2523.89	2520.47	2517.04	2513.12	2509.26	2505.42	2501.69	2497.85	2494.19
17.5	2509.45	2508.72	2507.84	2505.97	2500.62	2496.17	2491.22	2486.16	2481.04	2475.87
20.0	2476.19	2474.47	2473.02	2471.72	2470.63	2469.78	2468.79	2468.51	2462.02	2455.72
22.5	2442.00	2439.66	2437.42	2435.15	2432.81	2430.76	2429.17	2427.95	2427.04	2426.48
25.0	2407.43	2404.06	2400.56	2396.97	2393.62	2389.77	2387.97	2385.57	2383.57	2382.03
27.5	2372.18	2367.44	2362.50	2357.76	2353.34	2349.03	2345.03	2341.35	2338.22	2333.82
30.0	2336.11	2329.86	2323.62	2317.64	2311.74	2305.97	2300.56	2295.27	2290.34	2286.33

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

32.5	2299.35	2291.53	2284.04	2276.52	2268.34	2261.71	2254.30	2247.52	2241.49	2235.31
35.0	2235.83	2233.06	2230.66	2227.90	2225.20	2215.77	2207.23	2198.83	2188.98	2181.73
37.5	2171.32	2168.52	2164.89	2161.57	2158.25	2156.21	2154.58	2147.99	2136.81	2126.20
40.0	2108.60	2103.61	2098.71	2093.76	2089.52	2085.67	2081.70	2078.09	2075.49	2068.37
42.5	2044.67	2038.47	2032.01	2025.72	2019.79	2013.62	2008.88	2001.86	1996.29	1991.74
45.0	1980.62	1973.03	1965.03	1957.23	1947.85	1940.47	1932.21	1923.69	1916.08	1909.08
47.5	1916.55	1906.10	1897.89	1887.80	1877.42	1866.51	1855.38	1844.84	1834.47	1822.65
50.0	1822.80	1820.37	1818.13	1816.05	1805.21	1791.55	1778.27	1764.93	1751.57	1738.17
52.5	1724.54	1720.51	1716.30	1712.23	1707.88	1704.02	1700.45	1684.19	1667.53	1651.02
55.0	1626.11	1620.26	1614.25	1607.85	1600.79	1592.99	1588.82	1583.54	1579.29	1562.95
57.5	1527.51	1518.53	1510.88	1501.77	1492.17	1484.53	1475.51	1466.54	1458.54	1452.24
60.0	1428.64	1419.13	1409.01	1397.23	1385.63	1373.56	1360.86	1348.29	1336.46	1327.27
62.5	1326.10	1318.63	1305.98	1291.74	1277.46	1261.93	1245.40	1228.83	1213.85	1202.19
65.0	1151.34	1155.43	1157.28	1159.60	1160.83	1149.77	1129.42	1108.97	1091.71	1075.59
67.5	977.32	981.84	984.44	985.80	987.46	986.28	982.53	978.16	971.01	953.35
70.0	804.44	809.20	811.92	813.63	816.09	814.90	812.70	811.04	811.33	812.67
72.5	632.10	637.41	639.79	643.11	646.85	646.11	646.55	647.72	649.36	652.67
75.0	460.30	466.28	468.38	473.92	479.28	479.75	483.55	488.66	490.88	496.14
77.5	274.97	285.96	292.94	303.98	313.21	315.77	323.14	328.88	335.28	343.03
80.0	73.90	87.78	100.83	115.52	129.65	142.32	156.45	168.02	180.57	192.80
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.97	24.39	42.12
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2550.69	2550.74	2550.64	2550.51	2550.38	2550.27	2550.17	2550.09	2550.02	2549.97
5.0	2543.80	2543.27	2542.99	2542.59	2542.23	2541.91	2541.62	2541.38	2541.16	2540.99
7.5	2534.61	2533.40	2532.75	2531.85	2531.03	2530.28	2529.60	2528.59	2528.46	2527.93
10.0	2522.53	2520.40	2519.21	2517.51	2515.96	2514.50	2513.19	2512.00	2510.95	2510.05
12.5	2507.42	2504.93	2502.45	2500.06	2497.85	2495.78	2493.81	2492.04	2490.49	2488.35
15.0	2490.46	2486.94	2483.39	2479.94	2476.27	2473.75	2471.02	2468.58	2466.37	2464.32
17.5	2470.88	2466.11	2461.50	2457.09	2452.89	2448.76	2445.01	2441.55	2438.33	2435.52
20.0	2449.46	2443.13	2437.03	2431.18	2425.57	2420.26	2415.39	2410.81	2406.72	2403.11
22.5	2425.52	2417.57	2409.95	2402.65	2395.49	2388.72	2382.23	2376.20	2370.77	2365.96
25.0	2381.11	2380.50	2380.23	2370.92	2362.08	2353.83	2345.58	2337.74	2330.87	2324.54
27.5	2332.80	2331.24	2330.37	2328.55	2325.41	2314.65	2304.51	2295.04	2286.37	2278.53
30.0	2282.69	2279.29	2276.43	2273.33	2273.12	2272.10	2258.78	2248.11	2237.41	2227.57
32.5	2229.40	2224.08	2220.31	2214.76	2212.72	2210.69	2210.74	2196.90	2184.05	2172.45
35.0	2173.71	2166.46	2159.45	2151.83	2148.55	2144.89	2142.30	2140.99	2125.12	2110.99
37.5	2115.60	2105.99	2094.42	2088.38	2080.68	2074.16	2069.38	2066.45	2062.30	2045.66
40.0	2055.14	2042.80	2030.64	2019.13	2009.11	2000.24	1993.21	1988.20	1985.50	1976.61
42.5	1988.47	1977.14	1961.93	1947.46	1934.45	1923.01	1913.76	1906.37	1901.30	1899.06
45.0	1902.44	1896.97	1890.74	1873.16	1857.34	1843.23	1830.81	1820.95	1813.48	1809.13
47.5	1815.72	1806.09	1798.71	1793.76	1777.98	1760.67	1742.75	1730.48	1722.30	1715.04
50.0	1723.69	1713.62	1703.81	1695.44	1689.45	1676.11	1655.91	1638.62	1622.48	1606.68
52.5	1634.86	1620.20	1606.65	1593.96	1583.71	1576.16	1557.06	1531.00	1509.48	1492.69
55.0	1543.58	1525.13	1505.51	1485.92	1469.95	1454.01	1437.98	1421.92	1399.60	1383.15
57.5	1448.33	1426.19	1396.98	1373.31	1348.82	1334.30	1320.47	1312.65	1296.17	1275.87
60.0	1318.50	1303.49	1287.36	1258.65	1239.74	1220.65	1205.73	1194.24	1186.42	1165.91
62.5	1187.82	1170.91	1155.87	1147.29	1132.16	1110.17	1090.94	1075.30	1062.79	1046.27
65.0	1059.17	1042.35	1022.88	1016.23	1008.41	1000.27	977.85	957.88	932.86	910.63
67.5	938.27	914.20	898.46	887.29	874.39	866.66	862.93	841.73	809.71	787.34

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

70.0	812.17	788.72	775.27	758.90	743.49	733.93	730.54	715.93	691.41	666.20
72.5	646.35	643.93	643.72	632.00	615.75	609.55	600.97	580.69	569.00	553.95
75.0	493.08	494.38	493.70	488.18	485.61	493.85	475.36	454.76	441.10	424.16
77.5	344.82	349.07	349.26	349.74	354.17	359.34	349.07	335.37	319.46	303.07
80.0	200.28	207.39	212.63	217.67	226.40	230.34	227.07	220.96	211.59	197.06
82.5	57.91	72.22	84.02	93.78	101.73	110.66	116.97	119.59	118.25	114.25
85.0	0.00	0.00	0.00	0.00	0.00	12.76	24.25	32.93	38.76	43.94
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2549.93	2549.91	2549.90	2549.91	2549.93	2549.97	2550.02	2548.89	2547.78	2546.69
5.0	2540.85	2540.75	2540.39	2540.50	2540.61	2540.72	2540.83	2538.56	2536.30	2534.05
7.5	2527.49	2527.14	2526.88	2526.72	2526.66	2526.68	2526.81	2523.45	2520.20	2517.05
10.0	2509.30	2508.69	2508.24	2507.26	2507.48	2507.70	2507.92	2503.41	2498.92	2494.44
12.5	2487.94	2486.90	2486.10	2485.54	2485.22	2485.15	2485.32	2479.77	2474.48	2469.45
15.0	2462.59	2461.17	2460.07	2459.29	2458.17	2458.54	2458.90	2452.06	2445.22	2439.90
17.5	2433.12	2431.11	2429.50	2428.34	2427.63	2427.37	2427.58	2419.72	2412.34	2405.46
20.0	2399.81	2397.08	2394.93	2393.35	2391.18	2391.66	2392.14	2382.77	2373.43	2366.79
22.5	2361.83	2357.39	2355.40	2353.09	2351.57	2350.83	2350.89	2340.67	2331.27	2322.70
25.0	2319.00	2314.21	2310.34	2307.41	2305.44	2303.94	2304.39	2292.53	2282.66	2273.33
27.5	2271.56	2265.68	2260.86	2257.01	2254.38	2252.99	2252.83	2240.33	2229.10	2219.17
30.0	2219.04	2211.72	2205.72	2201.13	2197.97	2195.53	2196.01	2181.55	2170.05	2159.35
32.5	2161.96	2152.87	2144.13	2139.69	2135.67	2133.49	2133.15	2118.27	2105.27	2094.17
35.0	2098.55	2087.93	2079.00	2072.14	2067.37	2063.66	2064.25	2047.29	2034.63	2023.04
37.5	2030.98	2018.16	2007.62	1999.33	1993.37	1989.93	1989.05	1972.07	1957.70	1945.93
40.0	1959.14	1944.03	1931.51	1921.70	1914.74	1909.21	1909.57	1889.99	1876.36	1864.28
42.5	1883.00	1865.48	1850.74	1839.13	1830.81	1825.86	1824.33	1805.18	1789.53	1777.41
45.0	1803.30	1782.93	1765.99	1752.59	1742.96	1735.21	1735.28	1712.29	1697.31	1685.11
47.5	1711.45	1694.95	1673.05	1654.21	1641.75	1633.16	1630.01	1606.98	1589.35	1575.56
50.0	1600.16	1590.04	1561.85	1542.54	1527.61	1515.46	1515.09	1489.47	1475.19	1463.23
52.5	1481.59	1476.97	1457.12	1435.93	1420.52	1411.01	1407.49	1384.47	1367.51	1356.39
55.0	1371.41	1364.99	1355.05	1330.96	1312.92	1298.06	1297.04	1270.53	1257.64	1247.78
57.5	1260.36	1250.29	1246.28	1220.17	1199.33	1186.19	1181.07	1153.71	1136.01	1128.61
60.0	1145.34	1128.06	1119.59	1098.50	1067.42	1042.55	1040.80	1014.64	1006.08	996.69
62.5	1011.01	991.16	979.64	974.69	950.65	932.55	922.52	901.42	891.98	892.23
65.0	895.80	876.21	867.50	864.42	830.76	802.27	787.44	768.05	759.52	752.71
67.5	771.10	748.02	728.59	718.74	697.68	672.49	658.93	641.76	636.30	624.18
70.0	641.34	625.64	606.13	592.35	579.45	547.01	529.46	509.60	505.54	490.13
72.5	521.71	501.33	482.87	462.09	446.42	421.33	411.12	388.81	380.07	360.84
75.0	402.99	379.93	365.51	342.34	323.44	302.17	289.40	272.02	262.51	249.10
77.5	286.68	270.91	251.73	238.56	216.75	199.90	187.15	175.70	166.22	157.38
80.0	185.66	173.51	160.42	145.76	131.05	118.18	104.41	98.11	89.90	83.81
82.5	106.62	96.33	87.61	76.17	66.41	56.03	47.18	42.31	38.95	33.86
85.0	46.29	44.09	37.96	31.11	22.97	12.58	11.03	13.99	12.06	12.16
87.5	0.00	4.72	9.26	9.38	5.19	2.17	2.55	4.62	5.62	6.27
90.0	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2545.62	2544.57	2543.55	2542.56	2541.60	2540.66	2539.76	2538.90	2538.07	2537.27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

5.0	2531.80	2530.05	2528.06	2526.12	2524.26	2522.46	2520.74	2519.10	2517.54	2516.06
7.5	2514.02	2511.10	2508.31	2505.65	2503.12	2500.25	2498.29	2496.05	2493.96	2492.01
10.0	2491.18	2487.44	2483.88	2480.51	2477.35	2474.40	2471.66	2469.09	2466.70	2464.53
12.5	2464.70	2460.22	2456.05	2451.30	2448.36	2444.93	2441.81	2439.00	2436.39	2434.05
15.0	2434.30	2429.07	2424.23	2419.80	2415.78	2411.99	2408.52	2405.46	2402.32	2400.47
17.5	2399.08	2393.22	2387.85	2382.99	2378.67	2374.89	2371.51	2368.57	2366.18	2364.08
20.0	2359.62	2353.13	2347.32	2342.21	2337.61	2333.67	2330.43	2327.62	2325.44	2323.82
22.5	2314.97	2307.02	2301.77	2296.40	2291.92	2288.17	2284.50	2282.98	2281.34	2280.41
25.0	2265.05	2257.83	2251.68	2246.42	2242.13	2238.58	2236.15	2234.38	2233.44	2233.43
27.5	2210.55	2203.03	2196.73	2191.71	2187.71	2184.85	2183.10	2182.42	2182.57	2174.82
30.0	2150.20	2142.61	2136.52	2131.89	2128.83	2126.87	2125.21	2125.74	2114.86	2102.79
32.5	2083.61	2077.34	2071.55	2067.44	2064.97	2064.07	2063.69	2050.26	2038.59	2027.31
35.0	2013.58	2006.23	2000.95	1997.82	1996.52	1997.16	1981.80	1968.77	1957.78	1946.92
37.5	1936.73	1930.16	1926.26	1924.32	1924.51	1910.05	1895.26	1883.11	1872.99	1864.74
40.0	1855.23	1849.10	1845.73	1845.00	1834.87	1818.68	1805.14	1793.60	1784.20	1777.69
42.5	1768.72	1763.36	1761.12	1757.41	1738.35	1722.54	1709.74	1699.60	1692.54	1687.15
45.0	1677.37	1673.21	1672.54	1654.59	1635.81	1621.62	1611.10	1602.49	1596.86	1593.71
47.5	1569.89	1568.58	1563.61	1543.31	1525.74	1509.71	1501.70	1500.38	1498.66	1492.96
50.0	1455.00	1454.95	1438.16	1418.02	1407.29	1396.94	1388.15	1387.55	1384.43	1368.63
52.5	1350.53	1342.87	1320.17	1302.53	1290.28	1281.39	1273.99	1264.86	1253.07	1244.68
55.0	1243.94	1223.64	1202.63	1188.20	1177.46	1170.51	1155.40	1136.96	1123.04	1118.16
57.5	1129.42	1100.95	1077.04	1059.95	1056.90	1051.25	1030.47	1012.03	994.77	988.54
60.0	981.12	961.25	949.55	937.59	924.60	905.41	898.17	886.31	874.25	862.31
62.5	864.31	830.77	812.37	812.65	792.73	774.52	759.84	754.35	750.77	732.87
65.0	728.18	707.72	689.02	669.13	659.26	648.23	635.24	624.97	602.62	577.82
67.5	597.12	580.37	563.17	542.07	527.21	521.02	511.44	482.99	452.95	425.98
70.0	474.52	457.88	434.83	420.17	406.45	393.55	373.93	347.24	315.57	282.76
72.5	347.84	335.20	318.46	301.52	289.68	271.26	247.70	219.36	185.00	148.13
75.0	239.52	226.01	208.28	199.94	184.30	163.60	135.70	100.84	99.83	100.23
77.5	146.14	133.92	127.94	115.22	96.27	68.29	68.10	66.91	66.00	64.54
80.0	73.52	71.38	62.18	45.19	43.66	42.80	41.16	38.63	35.29	31.36
82.5	32.59	26.29	23.92	23.88	22.45	19.75	16.12	11.60	7.45	6.41
85.0	11.21	11.62	10.42	7.73	4.65	3.23	2.07	0.99	0.00	0.00
87.5	4.89	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2536.52	2535.75	2534.86	2534.35	2533.69	2533.07	2532.50	2531.97	2531.48	2531.05
5.0	2514.66	2513.22	2512.06	2510.87	2509.76	2508.75	2507.83	2507.01	2506.22	2505.52
7.5	2490.20	2488.24	2486.92	2485.47	2484.18	2483.04	2481.87	2480.79	2479.87	2479.10
10.0	2462.56	2460.22	2459.01	2457.49	2456.19	2454.88	2453.74	2452.83	2451.99	2451.33
12.5	2432.02	2430.20	2428.49	2427.09	2425.85	2424.78	2423.95	2422.95	2422.71	2422.24
15.0	2398.56	2396.93	2395.52	2394.51	2393.60	2393.07	2392.54	2392.31	2392.03	2391.98
17.5	2362.43	2361.09	2359.97	2359.29	2359.02	2359.02	2359.30	2359.70	2359.87	2360.95
20.0	2322.75	2322.15	2322.00	2322.11	2322.59	2322.83	2316.72	2311.40	2306.52	2302.21
22.5	2280.01	2280.13	2279.86	2274.01	2266.94	2260.45	2254.72	2249.33	2244.63	2240.68
25.0	2233.66	2224.89	2216.57	2208.93	2202.00	2195.88	2190.52	2184.88	2181.77	2178.01
27.5	2165.58	2156.46	2148.48	2139.95	2135.27	2129.65	2124.80	2120.64	2117.17	2114.31
30.0	2094.20	2085.62	2077.97	2071.45	2066.08	2061.51	2057.72	2054.27	2051.57	2049.39
32.5	2019.28	2011.53	2005.07	1999.60	1994.97	1991.46	1988.75	1986.90	1984.34	1983.81
35.0	1940.89	1934.59	1929.38	1925.28	1921.00	1919.76	1918.26	1917.56	1917.57	1908.98
37.5	1856.64	1853.93	1850.66	1848.40	1847.02	1846.49	1840.41	1829.13	1819.19	1810.62
40.0	1772.88	1769.96	1768.81	1768.87	1760.77	1748.00	1736.57	1726.32	1717.55	1709.86

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

42.5	1684.17	1683.36	1677.85	1664.05	1651.63	1640.61	1630.89	1622.26	1614.57	1608.38
45.0	1592.84	1578.04	1563.90	1551.29	1540.80	1531.40	1523.44	1516.64	1509.71	1505.77
47.5	1474.23	1459.45	1447.73	1435.87	1428.36	1421.02	1414.65	1409.65	1405.80	1402.32
50.0	1351.05	1337.19	1326.05	1321.77	1315.18	1309.55	1305.10	1301.72	1299.85	1294.30
52.5	1229.05	1214.01	1203.57	1201.63	1201.14	1197.40	1193.37	1168.96	1143.01	1119.27
55.0	1112.39	1095.38	1082.63	1078.98	1076.47	1051.65	1023.36	994.92	969.30	945.02
57.5	991.09	987.06	960.48	928.01	902.90	880.02	851.99	825.21	796.46	769.92
60.0	862.63	843.69	807.07	763.40	734.90	710.15	683.23	654.60	627.08	598.77
62.5	700.64	675.33	647.17	607.29	570.92	543.89	516.16	485.63	458.40	428.50
65.0	544.58	512.78	487.35	451.32	412.12	381.27	351.99	319.05	303.63	301.35
67.5	395.35	360.99	328.11	293.89	256.57	244.13	246.80	244.77	243.09	241.75
70.0	248.97	213.76	191.87	194.16	192.33	190.02	190.36	188.26	184.68	182.69
72.5	141.02	142.54	142.74	143.44	141.79	138.27	135.65	132.69	127.63	124.19
75.0	99.92	98.92	98.24	96.05	92.76	87.72	82.61	77.96	71.66	66.08
77.5	61.98	58.85	55.20	50.53	44.99	38.19	31.07	23.88	16.27	13.29
80.0	26.49	20.65	13.86	10.12	9.34	8.45	7.56	6.66	5.82	5.06
82.5	5.30	4.22	3.18	2.22	1.27	0.30	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2530.66	2530.31	2530.02	2529.68	2529.49	2529.28	2529.12	2529.01	2528.95	2528.94
5.0	2504.90	2504.39	2503.98	2503.40	2503.19	2502.89	2502.70	2502.60	2501.74	2502.06
7.5	2478.32	2477.67	2477.18	2476.76	2476.41	2476.21	2475.98	2475.96	2475.95	2476.05
10.0	2450.79	2450.29	2449.93	2449.63	2449.35	2449.26	2449.16	2449.25	2449.34	2448.64
12.5	2421.93	2421.77	2421.76	2421.82	2421.94	2422.06	2422.19	2422.37	2422.66	2422.96
15.0	2392.12	2392.44	2392.75	2393.22	2393.86	2394.43	2395.07	2395.49	2395.91	2396.31
17.5	2358.10	2354.20	2351.11	2348.36	2345.61	2344.23	2342.73	2341.54	2340.57	2339.83
20.0	2298.38	2294.86	2291.62	2288.99	2286.89	2284.72	2283.94	2282.97	2282.18	2281.64
22.5	2237.32	2234.25	2231.48	2229.10	2227.24	2225.84	2224.79	2224.15	2223.74	2223.45
25.0	2174.98	2172.59	2170.53	2168.67	2167.19	2166.20	2165.52	2165.18	2165.10	2165.13
27.5	2111.89	2109.99	2108.73	2107.70	2106.73	2106.15	2106.07	2106.07	2106.33	2106.69
30.0	2047.88	2046.82	2046.14	2046.12	2045.92	2045.85	2046.30	2046.87	2047.52	2048.24
32.5	1982.98	1982.86	1983.16	1977.12	1972.13	1967.60	1964.18	1961.36	1959.31	1958.06
35.0	1900.83	1893.07	1886.80	1881.32	1876.89	1872.65	1869.91	1867.58	1865.74	1864.74
37.5	1802.46	1795.51	1788.74	1785.02	1781.26	1778.12	1775.56	1773.67	1772.14	1771.40
40.0	1703.26	1697.35	1692.11	1688.23	1685.24	1682.95	1680.95	1679.83	1678.45	1678.06
42.5	1602.85	1598.27	1594.29	1590.86	1588.91	1587.43	1586.22	1585.60	1584.79	1584.68
45.0	1501.86	1498.54	1495.93	1493.48	1492.29	1491.73	1491.27	1491.37	1491.16	1491.20
47.5	1400.12	1396.90	1396.92	1388.39	1372.02	1358.07	1345.78	1335.35	1326.73	1319.94
50.0	1271.27	1249.89	1229.72	1211.46	1194.27	1179.76	1167.01	1156.09	1147.34	1140.27
52.5	1095.82	1074.02	1053.30	1034.55	1016.99	1001.78	988.60	977.11	967.80	960.53
55.0	921.52	898.82	877.56	858.18	840.18	824.14	810.40	798.31	788.71	781.12
57.5	747.45	723.68	702.47	682.30	663.74	646.86	632.47	619.71	609.46	601.62
60.0	575.09	550.93	527.93	506.85	487.60	469.95	454.74	441.30	430.35	422.17
62.5	402.29	378.31	359.45	357.39	355.57	353.38	351.57	349.56	347.98	347.08
65.0	297.68	299.01	296.37	293.80	291.61	289.11	286.88	284.72	282.92	281.74
67.5	237.69	236.24	233.74	230.62	227.85	224.99	222.35	219.97	217.92	216.39
70.0	178.00	175.39	171.67	167.78	164.36	161.02	157.97	155.29	152.97	151.22
72.5	118.64	114.38	109.90	105.23	101.07	97.19	93.71	90.63	88.07	86.01
75.0	59.90	53.95	48.42	42.92	37.95	33.50	29.54	26.09	23.20	20.84
77.5	12.68	12.06	11.46	10.92	10.53	10.21	9.93	9.66	9.43	9.19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

80.0	4.37	3.71	3.08	2.51	2.01	1.57	1.17	0.82	0.53	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2528.98	2529.07	2529.21	2529.26	2529.36	2529.52	2529.72	2529.97	2530.26	2530.61
5.0	2502.38	2502.71	2503.03	2503.10	2503.18	2503.25	2503.32	2504.60	2505.04	2505.61
7.5	2476.19	2476.45	2476.85	2477.06	2477.42	2477.93	2478.33	2478.85	2479.53	2480.19
10.0	2449.42	2450.05	2450.67	2450.89	2451.11	2451.03	2452.37	2452.95	2453.56	2454.36
12.5	2423.40	2423.85	2424.49	2424.94	2425.57	2425.81	2426.26	2426.73	2427.33	2428.00
15.0	2396.37	2397.41	2398.31	2398.76	2398.80	2399.66	2399.92	2400.33	2400.82	2401.34
17.5	2339.54	2339.73	2340.41	2341.22	2342.15	2343.37	2345.05	2347.10	2349.62	2352.53
20.0	2279.83	2281.32	2282.51	2282.95	2282.62	2285.50	2287.25	2289.49	2292.36	2294.79
22.5	2223.22	2223.67	2224.61	2225.46	2226.36	2227.65	2229.51	2231.75	2234.08	2236.84
25.0	2163.31	2165.23	2166.70	2167.04	2166.48	2169.76	2171.68	2173.78	2175.98	2178.68
27.5	2107.07	2107.68	2108.80	2109.51	2110.44	2111.87	2113.76	2115.58	2117.84	2120.25
30.0	2046.72	2049.11	2050.90	2050.98	2050.29	2054.02	2055.84	2057.36	2059.39	2061.60
32.5	1957.21	1957.09	1958.16	1959.23	1961.23	1964.49	1968.17	1972.73	1978.19	1984.63
35.0	1864.20	1863.22	1865.41	1865.65	1868.68	1871.65	1875.14	1879.55	1884.69	1890.81
37.5	1771.16	1771.25	1772.67	1773.98	1776.14	1778.78	1782.24	1785.96	1791.37	1796.55
40.0	1678.05	1677.33	1679.92	1680.37	1683.42	1685.84	1688.74	1692.23	1696.87	1701.95
42.5	1584.95	1585.39	1587.18	1588.75	1590.70	1592.93	1595.34	1598.46	1602.88	1606.81
45.0	1491.87	1491.44	1494.43	1495.13	1497.93	1499.62	1502.00	1504.64	1507.84	1511.37
47.5	1315.78	1313.43	1314.24	1316.77	1321.33	1327.75	1336.61	1348.24	1361.75	1377.25
50.0	1135.92	1131.42	1134.05	1134.48	1140.89	1147.29	1156.36	1168.05	1181.62	1197.48
52.5	956.01	953.53	953.86	956.05	960.44	966.82	976.21	987.91	1001.61	1017.82
55.0	776.22	771.78	773.66	773.82	780.05	786.35	796.08	807.77	821.66	838.16
57.5	596.39	593.72	593.47	595.24	599.37	605.92	615.90	627.67	641.79	658.61
60.0	409.82	412.12	413.28	413.12	411.99	425.53	435.70	447.63	462.00	479.51
62.5	346.71	346.97	347.38	347.83	348.56	350.03	352.50	354.94	357.49	360.85
65.0	278.97	280.65	281.48	281.36	280.46	284.27	286.69	289.06	291.98	295.45
67.5	215.64	215.44	215.59	216.00	216.79	218.49	220.80	223.38	226.54	230.18
70.0	148.31	149.24	149.69	149.63	149.09	152.71	155.00	157.76	161.22	165.01
72.5	84.66	83.95	83.79	84.18	85.10	86.89	89.24	92.21	95.79	99.91
75.0	17.77	17.86	17.89	17.91	17.84	21.08	23.51	26.69	30.49	34.85
77.5	9.05	8.97	8.95	9.00	9.09	9.29	9.55	9.94	10.37	10.83
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.85	1.22	1.66
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2531.00	2531.44	2531.91	2532.37	2532.90	2533.46	2534.08	2534.73	2535.42	2536.15
5.0	2506.27	2507.03	2507.81	2508.62	2509.54	2510.54	2511.63	2512.85	2513.92	2515.15
7.5	2480.97	2481.89	2482.84	2483.85	2485.00	2486.33	2487.45	2488.76	2490.21	2491.95
10.0	2455.11	2456.05	2457.02	2458.02	2459.22	2460.31	2461.58	2463.27	2464.55	2466.29
12.5	2428.74	2429.55	2430.37	2431.21	2432.20	2433.35	2434.64	2435.68	2437.49	2439.08

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

15.0	2402.25	2402.40	2402.97	2403.70	2404.40	2405.31	2406.25	2407.83	2408.50	2410.33
17.5	2355.61	2359.13	2363.08	2367.47	2372.23	2376.06	2376.51	2377.27	2378.28	2379.27
20.0	2297.98	2301.54	2305.54	2310.54	2314.71	2320.10	2325.97	2332.41	2339.02	2346.20
22.5	2239.97	2243.49	2247.42	2251.68	2256.89	2261.84	2267.56	2273.64	2280.16	2287.29
25.0	2181.64	2185.00	2188.67	2192.92	2197.45	2202.48	2207.98	2213.36	2219.66	2226.53
27.5	2123.53	2126.03	2129.54	2133.29	2137.43	2141.69	2146.43	2151.78	2157.65	2164.21
30.0	2064.01	2067.04	2069.76	2073.02	2076.29	2080.01	2084.22	2089.02	2094.20	2099.98
32.5	1991.91	2000.21	2009.54	2011.85	2014.47	2017.53	2021.20	2025.96	2029.08	2034.23
35.0	1897.74	1905.59	1914.55	1923.60	1934.26	1946.32	1956.60	1959.22	1962.71	1966.71
37.5	1803.08	1810.21	1818.03	1826.92	1836.98	1848.99	1859.93	1873.54	1889.02	1896.85
40.0	1707.66	1714.13	1721.15	1729.26	1738.34	1748.43	1759.71	1772.93	1785.69	1800.16
42.5	1611.87	1617.35	1623.53	1630.73	1638.81	1647.80	1658.09	1669.14	1681.20	1694.66
45.0	1515.73	1519.99	1525.25	1531.88	1538.31	1546.09	1554.97	1564.59	1576.10	1588.10
47.5	1395.02	1414.58	1426.30	1431.55	1436.84	1443.41	1450.97	1459.17	1469.09	1480.27
50.0	1215.40	1235.83	1257.70	1281.99	1307.73	1335.57	1346.79	1353.17	1361.61	1370.94
52.5	1035.91	1056.59	1079.63	1103.93	1130.19	1158.29	1189.56	1220.61	1251.64	1261.58
55.0	856.68	878.23	901.74	926.35	953.10	981.84	1012.57	1044.61	1078.77	1114.96
57.5	677.72	700.29	724.02	749.19	776.53	805.97	836.29	869.03	903.80	939.95
60.0	499.14	522.54	546.63	572.46	600.62	630.22	661.18	694.72	729.36	766.30
62.5	365.37	370.77	375.08	396.23	425.24	454.86	486.79	520.91	556.27	594.06
65.0	300.41	305.36	309.69	314.38	319.35	322.49	326.94	347.51	384.61	422.08
67.5	235.19	240.11	244.70	249.08	254.79	258.87	264.03	267.74	273.22	275.15
70.0	170.07	175.16	180.01	185.56	190.91	195.91	201.47	206.57	212.26	215.36
72.5	104.98	110.09	115.55	121.58	127.27	133.50	139.69	146.01	151.86	157.38
75.0	39.83	45.31	51.33	57.82	64.46	71.51	78.59	86.04	92.73	100.02
77.5	11.30	11.83	12.44	13.17	13.95	14.78	18.14	26.49	34.73	43.33
80.0	2.16	2.72	3.35	4.06	4.82	5.64	6.51	7.40	8.31	9.27
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2536.93	2537.73	2538.57	2539.45	2540.37	2541.22	2542.14	2543.10	2544.08	2545.09
5.0	2516.46	2517.86	2519.33	2520.89	2522.67	2523.97	2525.60	2527.31	2529.08	2530.92
7.5	2493.28	2494.95	2496.76	2498.70	2500.73	2502.88	2505.16	2507.55	2510.07	2512.70
10.0	2468.43	2470.05	2472.12	2474.38	2476.73	2479.23	2481.91	2484.79	2488.13	2490.84
12.5	2440.92	2442.85	2444.85	2447.13	2449.66	2452.45	2455.51	2459.25	2462.11	2465.72
15.0	2411.58	2413.60	2415.55	2417.86	2420.36	2423.10	2426.20	2429.34	2432.79	2436.60
17.5	2380.51	2381.99	2383.55	2385.35	2387.45	2389.92	2393.75	2395.93	2399.55	2403.56
20.0	2346.95	2347.57	2348.60	2349.93	2351.63	2353.75	2356.29	2359.26	2363.49	2366.67
22.5	2294.95	2303.27	2310.82	2311.78	2312.84	2314.40	2316.50	2319.25	2321.77	2326.32
25.0	2234.06	2242.33	2251.29	2261.11	2271.35	2272.59	2273.70	2275.77	2278.04	2281.47
27.5	2172.04	2179.29	2188.20	2197.71	2208.06	2219.53	2226.98	2227.98	2229.82	2232.66
30.0	2106.70	2114.02	2122.13	2131.09	2140.93	2151.92	2164.18	2176.29	2178.13	2179.90
32.5	2039.93	2046.27	2053.28	2061.36	2070.59	2081.20	2092.88	2105.84	2120.38	2122.11
35.0	1970.88	1976.23	1982.73	1989.89	1997.52	2006.31	2017.23	2029.98	2044.62	2061.10
37.5	1899.38	1902.61	1907.46	1912.97	1919.93	1928.29	1938.58	1950.62	1964.86	1981.37
40.0	1816.60	1827.84	1830.55	1834.37	1839.98	1847.18	1856.32	1867.32	1880.65	1896.47
42.5	1709.94	1726.63	1744.30	1753.40	1757.02	1762.30	1770.05	1780.10	1792.55	1807.53
45.0	1602.09	1616.90	1634.01	1652.46	1670.73	1674.76	1680.94	1689.53	1700.10	1713.71
47.5	1492.28	1506.40	1521.56	1538.74	1558.19	1580.19	1588.59	1595.02	1603.72	1616.18
50.0	1382.14	1394.34	1408.10	1423.73	1441.69	1461.33	1484.15	1498.11	1504.54	1515.62

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

52.5	1271.14	1281.44	1291.88	1307.38	1321.73	1338.14	1359.23	1384.60	1401.27	1408.42
55.0	1152.50	1167.85	1177.51	1187.17	1196.69	1210.21	1229.98	1254.74	1280.64	1291.78
57.5	977.63	1015.69	1053.58	1061.94	1067.33	1081.39	1101.24	1121.02	1139.91	1163.62
60.0	803.64	841.31	876.35	906.73	939.26	954.48	970.77	985.99	1001.99	1026.73
62.5	630.47	668.76	701.63	736.11	774.96	816.03	841.15	848.55	865.79	892.21
65.0	460.22	498.98	533.24	572.14	610.43	651.15	684.12	714.10	732.48	750.76
67.5	292.46	331.30	371.28	408.38	449.78	488.58	522.09	560.97	589.62	616.50
70.0	221.28	223.24	226.98	248.93	292.34	331.79	370.96	406.48	442.22	479.18
72.5	163.06	166.67	168.09	170.43	171.82	183.62	225.39	263.84	303.93	342.17
75.0	106.42	112.28	114.99	120.00	122.87	125.60	126.20	130.45	173.26	209.82
77.5	51.16	58.98	64.52	70.54	76.64	80.92	83.89	87.66	88.45	88.22
80.0	10.18	11.01	15.45	23.78	31.64	38.49	44.36	49.30	52.57	55.21
82.5	1.38	2.41	3.43	4.47	5.64	6.85	8.02	13.83	19.85	24.71
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	2.31	3.55
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	250.0	252.5	255.0	257.5	260.0	262.5	265.0	267.5	270.0	272.5
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2546.12	2547.17	2548.24	2549.33	2550.43	2551.55	2552.67	2553.81	2554.95	2554.88
5.0	2532.82	2534.78	2536.80	2538.87	2540.98	2543.14	2545.34	2547.58	2549.85	2549.72
7.5	2515.61	2518.14	2520.99	2523.95	2527.00	2530.15	2533.39	2536.70	2540.10	2539.91
10.0	2494.09	2497.51	2501.11	2504.87	2508.80	2512.88	2517.11	2521.48	2525.98	2525.72
12.5	2469.60	2473.73	2478.58	2482.55	2487.30	2492.28	2497.48	2502.90	2508.53	2508.17
15.0	2441.46	2445.18	2449.98	2455.14	2460.63	2466.46	2472.60	2479.05	2485.79	2485.38
17.5	2407.95	2412.82	2418.17	2424.75	2430.03	2436.62	2443.65	2451.12	2459.00	2458.57
20.0	2371.18	2376.75	2381.88	2388.10	2394.91	2402.30	2410.25	2418.75	2427.78	2427.37
22.5	2331.90	2335.67	2341.35	2347.81	2354.96	2362.85	2371.49	2380.88	2390.98	2390.67
25.0	2285.47	2290.43	2297.84	2303.07	2310.80	2319.49	2329.10	2339.61	2350.98	2350.67
27.5	2236.43	2241.22	2247.00	2253.93	2262.89	2271.09	2281.37	2292.80	2305.34	2305.09
30.0	2183.51	2187.25	2192.97	2199.97	2208.34	2218.16	2229.40	2242.02	2255.99	2255.70
32.5	2124.63	2128.67	2134.04	2140.93	2149.52	2159.70	2171.57	2185.11	2200.30	2200.05
35.0	2062.52	2065.79	2070.74	2078.84	2085.88	2096.28	2108.68	2123.06	2139.40	2139.24
37.5	1996.69	1998.50	2002.87	2008.50	2016.85	2027.40	2040.18	2055.35	2072.87	2072.76
40.0	1914.94	1926.71	1929.59	1935.01	1942.84	1953.38	1966.75	1982.91	2001.82	2001.84
42.5	1825.02	1845.36	1851.28	1855.55	1862.70	1874.78	1886.84	1903.83	1924.05	1924.55
45.0	1729.93	1749.56	1770.31	1771.03	1777.77	1787.98	1801.83	1819.85	1841.43	1842.31
47.5	1631.06	1649.53	1672.19	1683.41	1687.79	1697.72	1711.73	1730.13	1752.92	1754.26
50.0	1529.11	1545.16	1566.76	1588.12	1592.57	1601.59	1615.72	1634.96	1659.27	1660.81
52.5	1418.08	1432.13	1453.96	1479.82	1488.65	1496.06	1509.98	1530.64	1558.01	1559.88
55.0	1298.56	1312.21	1329.61	1350.52	1367.93	1374.90	1388.56	1408.99	1436.79	1439.17
57.5	1179.49	1190.09	1204.34	1224.39	1250.87	1258.70	1270.98	1290.71	1318.17	1320.27
60.0	1058.39	1072.53	1084.98	1104.18	1128.59	1143.87	1154.92	1174.62	1203.14	1206.23
62.5	919.56	958.16	970.36	977.21	998.34	1022.54	1036.34	1050.51	1081.34	1086.00
65.0	782.70	811.39	838.95	845.97	857.52	874.98	891.58	916.14	952.18	955.18
67.5	640.79	668.68	694.03	707.27	720.79	740.81	757.77	781.08	818.56	817.75
70.0	510.63	525.49	549.22	577.79	585.80	602.06	625.06	642.02	673.65	673.77
72.5	369.53	392.02	412.95	436.15	453.85	466.76	492.10	507.79	537.02	539.76
75.0	240.88	266.45	288.30	307.67	328.88	346.13	366.62	381.61	404.13	414.54
77.5	125.72	155.65	179.05	196.25	214.81	233.23	247.82	264.21	280.93	291.88
80.0	55.83	58.95	86.02	105.58	117.38	134.14	148.19	164.77	174.74	186.63
82.5	28.17	29.37	29.35	35.06	51.67	58.89	70.56	84.49	91.53	102.02
85.0	4.86	8.10	11.39	13.47	13.91	18.81	23.74	29.80	33.03	33.99
87.5	0.00	0.00	0.00	1.41	4.51	7.05	7.29	7.72	4.08	3.42

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.09	0.00
Vert. Angles	Horizontal Angles									
	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2554.81	2554.75	2554.69	2554.63	2554.58	2554.54	2554.50	2554.47	2554.44	2554.41
5.0	2549.61	2549.53	2549.48	2549.46	2549.47	2549.51	2549.57	2549.67	2549.79	2549.93
7.5	2539.79	2539.74	2539.76	2539.85	2540.01	2540.24	2540.75	2540.83	2541.13	2541.48
10.0	2525.59	2525.58	2525.69	2525.93	2526.29	2526.77	2527.38	2528.10	2529.30	2529.79
12.5	2508.00	2508.04	2508.27	2508.69	2509.87	2510.07	2510.95	2512.00	2513.24	2515.15
15.0	2485.25	2485.39	2485.81	2486.51	2487.47	2488.70	2490.90	2491.92	2493.89	2496.12
17.5	2458.54	2458.92	2459.69	2461.69	2462.29	2464.01	2466.08	2468.47	2471.16	2474.16
20.0	2427.47	2428.07	2429.17	2430.76	2432.83	2435.86	2438.33	2441.71	2446.24	2449.53
22.5	2391.05	2392.13	2393.89	2396.29	2399.22	2402.77	2408.02	2411.45	2416.48	2421.85
25.0	2351.19	2352.57	2354.79	2357.88	2363.37	2366.31	2371.39	2377.12	2383.50	2390.78
27.5	2305.92	2307.82	2311.70	2314.68	2319.50	2325.26	2331.98	2339.47	2347.69	2356.61
30.0	2256.71	2259.02	2262.63	2267.54	2273.57	2280.52	2289.11	2297.67	2307.73	2318.05
32.5	2201.39	2204.34	2208.86	2214.83	2222.32	2231.11	2240.97	2252.00	2264.14	2262.71
35.0	2140.99	2144.64	2150.19	2158.97	2166.50	2177.00	2188.80	2202.07	2201.70	2202.64
37.5	2074.94	2079.41	2085.99	2094.60	2105.74	2118.04	2132.68	2135.18	2136.29	2138.89
40.0	2004.51	2009.80	2017.66	2027.92	2040.39	2055.07	2062.20	2063.51	2066.93	2072.08
42.5	1928.19	1936.57	1944.52	1956.89	1971.71	1985.13	1985.98	1989.24	1994.56	2001.83
45.0	1846.83	1854.92	1866.49	1881.21	1901.60	1903.42	1906.37	1912.01	1919.62	1929.41
47.5	1759.92	1769.78	1783.43	1802.30	1814.66	1816.95	1822.58	1831.00	1841.60	1854.74
50.0	1667.26	1678.52	1694.47	1715.01	1721.07	1726.15	1736.01	1747.74	1760.45	1776.71
52.5	1568.02	1581.90	1600.47	1617.92	1623.11	1630.27	1642.68	1657.92	1675.78	1685.79
55.0	1449.41	1467.40	1492.49	1505.36	1514.12	1528.11	1546.13	1566.51	1577.71	1579.45
57.5	1330.05	1348.22	1372.98	1379.64	1392.95	1412.44	1437.83	1458.43	1460.91	1467.23
60.0	1217.85	1237.58	1253.12	1261.55	1277.07	1298.40	1319.36	1326.97	1337.74	1349.05
62.5	1105.38	1125.01	1134.95	1147.36	1166.46	1191.91	1194.46	1204.02	1215.86	1230.47
65.0	972.28	1000.83	1011.69	1029.39	1058.32	1063.31	1071.27	1083.87	1100.15	1118.28
67.5	830.41	849.47	874.61	909.03	925.80	926.87	943.87	965.41	983.10	989.08
70.0	690.30	711.61	742.23	778.21	778.31	794.15	808.73	832.84	845.32	856.05
72.5	558.78	580.57	615.55	626.28	638.79	651.24	672.94	686.51	705.80	726.28
75.0	434.82	454.43	481.69	492.30	509.40	517.23	530.73	551.37	574.45	589.62
77.5	311.22	335.88	351.37	368.51	379.95	389.97	403.18	424.69	433.79	432.75
80.0	206.43	221.81	238.45	251.91	261.82	272.22	279.21	285.28	287.00	284.95
82.5	113.82	128.25	138.17	148.52	158.79	164.52	163.38	159.28	153.35	143.76
85.0	49.79	56.44	64.89	72.84	75.42	71.05	59.52	47.20	33.38	16.98
87.5	10.56	16.48	16.25	8.57	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2554.40	2554.39	2554.42	2554.37	2554.32	2554.28	2554.25	2554.21	2554.18	2554.16
5.0	2550.11	2550.31	2550.81	2550.75	2550.86	2550.99	2551.14	2551.30	2551.48	2551.75
7.5	2541.88	2542.33	2542.84	2543.38	2543.94	2544.60	2545.18	2546.08	2546.47	2547.06
10.0	2530.72	2531.69	2532.80	2533.95	2535.04	2536.22	2537.73	2538.52	2539.56	2540.92
12.5	2516.08	2517.62	2519.32	2521.14	2523.05	2525.08	2527.09	2529.08	2531.17	2533.02
15.0	2498.54	2500.90	2503.49	2506.17	2508.85	2511.73	2514.48	2517.89	2520.32	2523.77
17.5	2478.46	2480.80	2484.29	2488.03	2492.01	2496.07	2500.06	2504.07	2508.06	2511.97
20.0	2453.89	2458.38	2462.94	2467.82	2473.05	2478.13	2483.25	2488.66	2488.10	2488.14
22.5	2427.29	2433.14	2439.32	2445.71	2452.84	2452.13	2451.70	2451.89	2451.86	2452.38

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

25.0	2397.75	2405.44	2413.38	2412.62	2412.06	2412.17	2412.70	2413.48	2414.56	2416.09
27.5	2365.48	2368.17	2367.76	2367.94	2368.74	2370.08	2372.12	2373.44	2375.80	2378.28
30.0	2317.97	2318.32	2319.39	2320.51	2322.49	2325.20	2328.30	2331.72	2335.18	2339.17
32.5	2263.26	2264.92	2267.78	2270.20	2274.07	2278.14	2282.90	2288.00	2293.39	2299.74
35.0	2204.83	2208.20	2212.92	2218.73	2223.99	2229.41	2235.61	2242.47	2249.74	2256.97
37.5	2142.96	2148.24	2154.61	2162.20	2169.77	2177.97	2186.53	2195.33	2200.34	2199.50
40.0	2078.38	2085.66	2094.18	2103.61	2113.99	2125.00	2129.54	2128.60	2129.05	2130.90
42.5	2010.65	2020.78	2031.86	2043.72	2051.15	2051.52	2052.72	2054.92	2058.72	2060.14
45.0	1940.67	1953.64	1967.56	1968.64	1969.27	1971.47	1974.94	1979.11	1984.91	1989.09
47.5	1868.90	1880.78	1880.76	1882.57	1886.59	1890.01	1895.73	1902.18	1909.37	1917.12
50.0	1786.89	1787.49	1790.26	1794.40	1800.54	1807.23	1815.26	1824.51	1833.65	1843.75
52.5	1687.40	1691.22	1697.34	1705.26	1713.53	1723.60	1734.05	1745.46	1757.74	1757.75
55.0	1584.73	1592.52	1602.11	1613.39	1625.87	1638.63	1648.76	1648.37	1649.43	1651.23
57.5	1478.81	1491.34	1505.12	1520.27	1533.40	1533.51	1534.95	1536.87	1540.08	1544.46
60.0	1365.19	1387.01	1406.46	1408.80	1410.65	1414.67	1419.84	1425.41	1430.72	1436.86
62.5	1248.01	1268.24	1280.91	1283.52	1286.44	1294.46	1303.62	1312.91	1321.09	1329.52
65.0	1124.52	1136.34	1152.83	1165.08	1162.13	1172.48	1186.18	1199.90	1211.78	1222.40
67.5	999.71	1011.44	1027.77	1043.48	1048.67	1050.71	1068.29	1071.63	1065.32	1056.20
70.0	869.51	891.03	908.29	924.95	931.02	902.79	898.47	895.14	889.08	880.30
72.5	741.11	768.34	772.26	765.31	755.21	737.16	725.23	721.67	714.70	705.84
75.0	598.42	596.36	598.52	593.72	583.26	571.50	556.91	552.11	542.07	532.78
77.5	436.62	430.24	429.17	421.74	413.95	404.72	389.61	381.36	371.33	360.31
80.0	279.97	272.10	262.85	253.32	246.81	233.39	217.82	200.10	182.89	164.10
82.5	132.52	119.79	104.81	88.59	71.96	50.94	29.48	7.14	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2554.13	2554.11	2554.09	2554.08	2554.08	2554.05	2554.00	2553.96	2553.93	2553.89
5.0	2551.79	2551.88	2551.98	2552.10	2552.23	2552.30	2552.30	2552.31	2552.33	2552.38
7.5	2547.69	2548.40	2548.72	2549.10	2549.50	2549.83	2550.06	2550.31	2550.53	2550.58
10.0	2541.74	2542.85	2543.99	2544.93	2545.90	2546.69	2547.28	2547.88	2548.25	2548.64
12.5	2534.96	2536.62	2538.18	2539.72	2541.25	2542.66	2543.94	2544.96	2545.75	2546.38
15.0	2526.18	2529.08	2531.61	2534.07	2536.07	2538.04	2540.23	2541.56	2542.98	2543.96
17.5	2515.93	2519.77	2520.64	2520.57	2520.29	2519.94	2519.55	2519.31	2519.10	2518.87
20.0	2487.86	2487.95	2488.24	2489.21	2489.08	2489.49	2489.73	2489.72	2490.07	2489.91
22.5	2453.23	2454.21	2455.37	2456.14	2457.20	2458.28	2459.27	2459.94	2460.29	2460.69
25.0	2417.71	2419.27	2421.24	2423.05	2424.87	2426.63	2428.31	2429.81	2430.72	2431.39
27.5	2380.99	2383.61	2386.36	2389.34	2392.07	2394.67	2397.57	2399.25	2401.05	2402.05
30.0	2343.24	2347.30	2351.11	2354.86	2358.82	2362.54	2365.56	2368.35	2370.90	2372.67
32.5	2304.26	2309.83	2315.27	2320.16	2324.89	2324.18	2323.29	2322.64	2322.04	2321.38
35.0	2264.03	2265.02	2264.47	2264.06	2263.76	2263.27	2263.32	2263.39	2263.14	2263.07
37.5	2199.49	2200.77	2200.24	2201.15	2201.80	2202.22	2203.26	2203.77	2204.71	2204.44
40.0	2132.00	2133.87	2135.50	2137.49	2139.58	2141.01	2142.54	2144.08	2145.28	2145.87
42.5	2063.54	2067.06	2070.50	2073.53	2076.76	2079.64	2081.90	2084.16	2086.63	2087.31
45.0	1994.31	1999.57	2004.77	2010.02	2013.63	2017.86	2021.15	2024.16	2026.93	2028.90
47.5	1924.63	1931.54	1938.44	1945.03	1950.40	1952.70	1950.77	1949.07	1947.70	1946.23
50.0	1854.82	1861.11	1860.00	1859.25	1858.20	1857.92	1856.75	1855.76	1854.99	1854.19
52.5	1760.01	1759.18	1760.01	1760.76	1761.47	1761.89	1762.45	1762.32	1762.35	1762.16
55.0	1654.39	1656.88	1659.53	1661.99	1664.42	1666.17	1667.96	1668.85	1669.66	1670.04
57.5	1549.05	1554.37	1558.67	1563.12	1567.02	1570.20	1573.37	1575.39	1576.90	1577.93
60.0	1443.91	1451.16	1457.58	1463.87	1469.35	1474.17	1478.69	1482.60	1484.15	1485.87

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

62.5	1338.64	1348.01	1356.57	1364.56	1368.05	1359.64	1351.78	1344.00	1336.33	1330.07
65.0	1224.28	1216.42	1208.25	1199.43	1191.10	1183.06	1175.89	1167.88	1160.25	1153.73
67.5	1047.25	1039.89	1031.78	1023.08	1014.92	1006.73	999.20	991.91	984.38	977.74
70.0	871.37	864.22	856.48	847.38	839.04	831.23	823.31	816.07	808.90	801.78
72.5	696.47	689.32	681.36	672.34	663.68	655.05	647.86	640.39	632.99	625.85
75.0	522.49	514.99	507.27	497.83	489.17	479.71	472.22	464.85	457.42	450.07
77.5	349.68	337.71	324.69	309.59	295.00	281.24	269.14	258.03	247.50	237.96
80.0	145.69	128.37	111.92	95.22	79.34	64.71	51.51	39.64	29.19	20.24
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	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>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	2555.39	2555.39	2555.39	2555.39	2555.39
2.5	2553.86	2553.83	2553.80	2553.78	2553.76
5.0	2552.33	2552.27	2552.22	2552.17	2552.13
7.5	2550.64	2550.71	2550.63	2550.56	2550.50
10.0	2548.86	2548.98	2549.04	2548.95	2548.87
12.5	2546.91	2547.21	2547.44	2547.34	2547.24
15.0	2544.74	2545.40	2545.68	2545.74	2545.61
17.5	2518.52	2518.11	2517.70	2517.31	2516.98
20.0	2489.77	2489.51	2489.17	2488.74	2488.34
22.5	2461.03	2460.95	2460.69	2460.17	2459.71
25.0	2432.08	2432.31	2432.16	2431.59	2431.07
27.5	2402.95	2403.59	2403.58	2403.01	2402.44
30.0	2373.83	2374.88	2375.04	2374.45	2373.80
32.5	2320.32	2319.86	2318.81	2317.56	2316.64
35.0	2262.43	2262.02	2261.47	2260.37	2259.47
37.5	2204.69	2204.22	2204.13	2203.18	2202.31
40.0	2146.35	2146.43	2146.55	2145.96	2145.15
42.5	2088.22	2088.77	2089.03	2088.74	2087.99
45.0	2030.26	2030.76	2031.50	2031.50	2030.83
47.5	1944.42	1943.01	1942.05	1941.01	1939.86
50.0	1853.01	1852.00	1851.15	1850.16	1848.89
52.5	1761.60	1761.00	1760.25	1759.31	1757.92
55.0	1670.14	1669.93	1669.47	1668.45	1666.95
57.5	1578.59	1578.84	1578.38	1577.54	1575.98
60.0	1487.00	1487.76	1487.48	1486.67	1485.02
62.5	1323.88	1319.23	1315.10	1311.98	1309.69
65.0	1148.23	1143.50	1139.51	1136.50	1134.35
67.5	972.27	967.78	963.93	961.01	959.02
70.0	796.53	792.12	788.34	785.52	783.68
72.5	620.83	616.33	612.75	610.02	608.35
75.0	445.15	440.62	437.15	434.52	433.02
77.5	230.91	225.00	220.66	217.78	216.51
80.0	12.98	7.30	3.24	0.81	0.00
82.5	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	935.12	13.40	13.40
0-30	1999.18	28.80	28.70
0-40	3299.65	47.50	47.40
0-60	5826.03	83.80	83.80
0-80	6931.79	99.70	99.70
0-90	6955.32	100.00	100.00
10-90	6714.55	96.60	96.50
20-40	2364.53	34.00	34.00
20-50	3720.03	53.50	53.50
40-70	3311.23	47.60	47.60
60-80	1105.76	15.90	15.90
70-80	320.91	4.60	4.60
80-90	23.53	0.30	0.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	6955.32	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	240.77
10-20	694.35
20-30	1064.06
30-40	1300.47
40-50	1355.5
50-60	1170.87
60-70	784.85
70-80	320.91
80-90	23.53
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 : HZCAS6002HTLOWT50120-277V.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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	39	34	46	39	34	45	38	34	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZCAS6002HTLOWT50120-277V.IES

UGR TABLE - CORRECTED

Reflectances

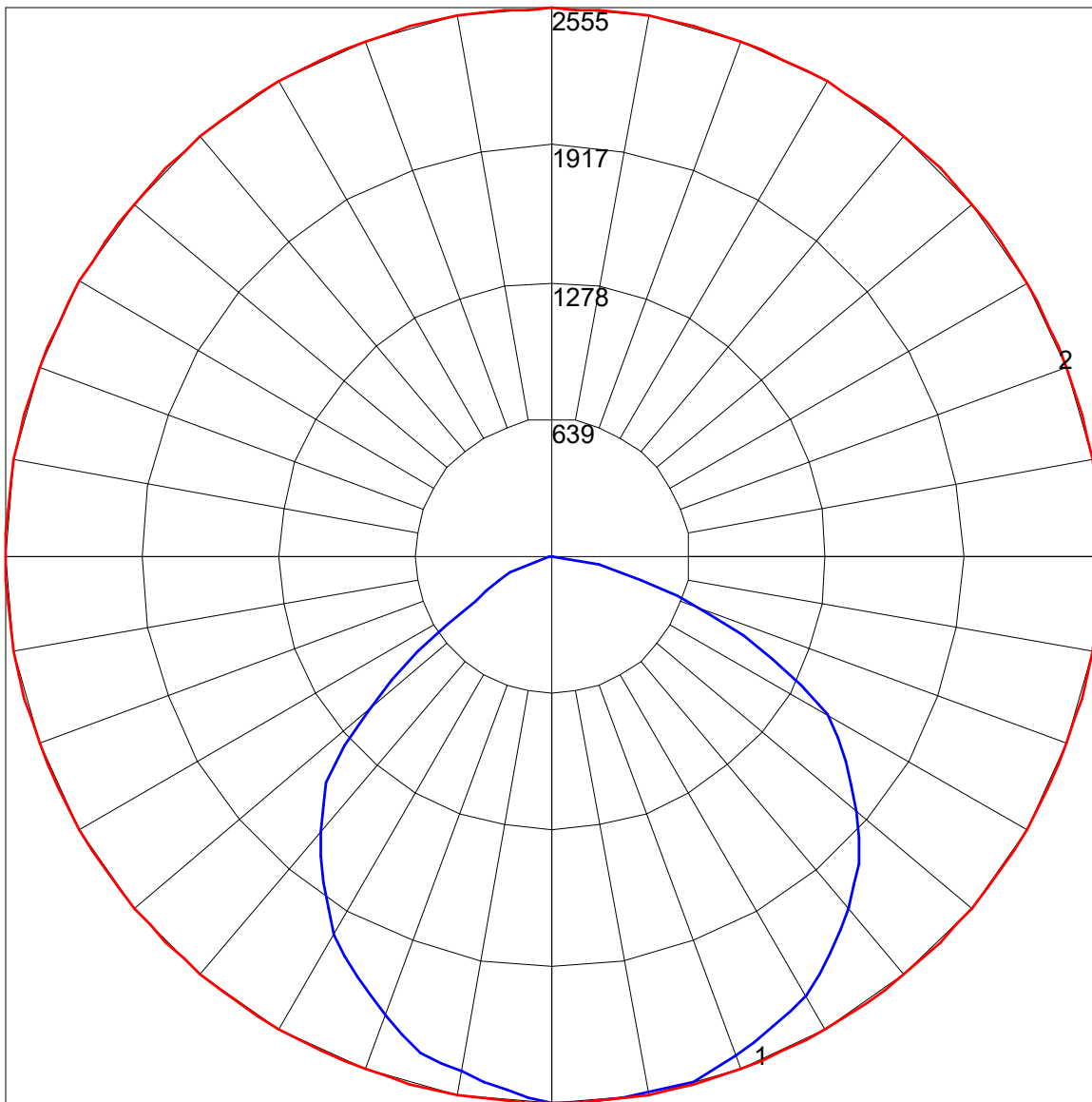
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	15.3	17.0	15.7	17.3	17.6	6.7	6.7	6.7	6.7	6.7
	3H	17.0	18.4	17.4	18.8	19.1	6.7	6.7	6.7	6.7	6.7
	4H	17.4	18.8	17.8	19.1	19.5	6.7	6.7	6.7	6.7	6.7
	6H	17.4	18.7	17.8	19.0	19.4	6.7	6.7	6.7	6.7	6.7
	8H	17.4	18.6	17.8	19.0	19.4	6.7	6.7	6.7	6.7	6.7
	12H	17.4	18.5	17.8	18.9	19.3	6.7	6.7	6.7	6.7	6.7
4H	2H	15.6	16.9	16.0	17.3	17.7	8.5	9.8	8.9	10.2	10.6
	3H	17.4	18.5	17.8	18.9	19.3	9.2	10.3	9.6	10.7	11.1
	4H	17.9	18.9	18.3	19.3	19.8	9.2	10.2	9.6	10.6	11.1
	6H	17.9	18.8	18.4	19.3	19.7	9.1	10.0	9.6	10.5	10.9
	8H	17.9	18.7	18.4	19.2	19.7	9.1	9.9	9.6	10.4	10.8
	12H	17.9	18.6	18.4	19.1	19.6	9.1	9.8	9.6	10.3	10.8
8H	4H	17.9	18.7	18.4	19.2	19.6	10.3	11.1	10.8	11.6	12.0
	6H	17.9	18.6	18.4	19.1	19.6	10.2	10.9	10.7	11.4	11.9
	8H	17.9	18.5	18.4	19.0	19.5	10.2	10.8	10.7	11.3	11.8
	12H	17.9	18.4	18.4	18.9	19.4	10.2	10.7	10.7	11.2	11.8
12H	4H	17.9	18.6	18.3	19.1	19.6	10.3	11.0	10.8	11.5	12.0
	6H	17.9	18.5	18.4	19.0	19.5	10.2	10.8	10.7	11.3	11.8
	8H	17.9	18.4	18.4	18.9	19.4	10.2	10.7	10.7	11.2	11.8

Maximum UGR = 19.8

POLAR GRAPH



Maximum Candela = 2555.39 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.)