



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] NUVHTVLOWT40VWD120-277V
 [ISSUEDATE]
 [MANUFAC] BEGHELLI
 [LAMPCAT]
 [LAMP] 4000K

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10337
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	90
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

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	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881
1	3873.627	3868.507	3869.360	3863.388	3882.159	3879.599	3877.040	3867.654	3873.627	3867.654
2	3872.773	3865.948	3869.360	3861.681	3881.306	3878.746	3872.773	3865.094	3871.067	3865.094
3	3871.067	3864.241	3865.948	3859.975	3877.893	3875.333	3868.507	3861.681	3864.241	3860.828
4	3867.654	3862.535	3861.681	3858.269	3872.773	3868.507	3861.681	3859.122	3858.269	3855.709
5	3861.681	3858.269	3857.416	3855.709	3867.654	3862.535	3856.562	3854.856	3852.296	3848.030
6	3855.709	3855.709	3852.296	3850.590	3862.535	3856.562	3851.443	3845.470	3848.030	3842.911
7	3849.736	3850.590	3845.470	3843.764	3854.856	3851.443	3844.617	3838.645	3842.057	3836.085
8	3841.204	3842.057	3839.498	3836.938	3847.177	3842.911	3835.232	3829.259	3836.085	3830.966
9	3831.819	3834.378	3830.112	3828.406	3836.938	3833.525	3827.553	3823.287	3824.993	3819.874
10	3819.874	3822.433	3819.020	3820.727	3830.112	3822.433	3816.461	3813.048	3813.901	3810.488
11	3810.488	3813.048	3810.488	3807.929	3820.727	3812.195	3807.075	3804.516	3801.103	3797.690
12	3796.837	3799.396	3800.250	3797.690	3809.635	3801.956	3793.424	3790.864	3787.451	3785.745
13	3784.892	3787.451	3786.598	3783.185	3794.277	3785.745	3780.626	3777.213	3776.359	3770.387
14	3768.680	3770.387	3772.947	3771.240	3779.772	3772.947	3764.414	3758.442	3757.589	3755.882
15	3754.176	3755.882	3759.295	3753.323	3761.855	3755.882	3749.910	3742.231	3741.377	3737.965
16	3736.258	3737.965	3739.671	3738.818	3746.497	3741.377	3728.579	3721.753	3720.900	3723.460
17	3721.753	3720.900	3719.194	3721.753	3724.313	3721.753	3710.661	3705.542	3703.835	3702.982
18	3702.982	3701.276	3701.276	3704.689	3706.395	3702.129	3688.478	3684.211	3687.625	3685.065
19	3687.625	3684.211	3683.358	3680.799	3682.505	3682.505	3668.854	3667.147	3663.734	3661.175
20	3664.587	3660.321	3661.175	3661.175	3663.734	3655.202	3647.523	3642.404	3642.404	3638.137
21	3643.257	3641.551	3635.578	3636.431	3644.110	3634.724	3627.045	3620.220	3615.954	3612.541
22	3617.660	3617.660	3615.954	3616.807	3617.660	3610.834	3605.715	3597.183	3593.770	3592.917
23	3592.917	3597.183	3592.917	3590.357	3595.476	3590.357	3576.705	3568.173	3563.054	3570.733
24	3567.320	3568.173	3563.054	3566.467	3569.027	3567.320	3551.962	3543.430	3540.017	3541.723
25	3537.457	3544.283	3540.017	3542.577	3546.843	3535.751	3522.953	3511.008	3517.833	3517.833
26	3512.714	3515.274	3510.154	3511.861	3516.980	3508.448	3498.209	3484.558	3484.558	3483.705
27	3479.438	3491.383	3487.117	3487.117	3489.677	3475.172	3471.759	3458.961	3457.255	3455.548
28	3452.135	3461.521	3457.255	3453.842	3464.080	3447.869	3437.630	3427.392	3420.566	3424.832
29	3419.713	3421.419	3429.951	3427.392	3430.804	3419.713	3407.768	3400.942	3394.116	3388.997
30	3391.556	3393.263	3397.529	3392.409	3402.648	3383.024	3370.226	3365.106	3365.106	3359.987
31	3363.400	3356.574	3359.987	3362.547	3373.639	3353.161	3340.363	3334.391	3329.271	3321.592
32	3324.152	3325.005	3330.978	3330.124	3335.244	3313.060	3311.354	3302.821	3298.555	3289.170
33	3291.730	3293.436	3290.023	3290.876	3304.528	3278.931	3272.105	3262.720	3259.307	3255.041
34	3250.775	3252.481	3255.894	3258.454	3261.867	3245.656	3239.683	3229.444	3224.325	3211.527
35	3215.793	3218.353	3221.765	3214.939	3225.178	3201.288	3196.168	3185.077	3190.196	3176.544
36	3181.664	3183.370	3177.398	3179.958	3182.517	3167.159	3157.773	3144.975	3139.856	3126.204
37	3132.177	3137.296	3142.416	3144.975	3146.682	3115.966	3100.608	3098.901	3095.488	3080.984
38	3087.809	3096.342	3103.167	3093.782	3107.433	3071.598	3050.268	3032.350	3027.231	3012.726
39	3022.111	3035.763	3047.708	3046.855	3047.708	3006.754	2990.542	2965.799	2957.267	2943.615
40	2959.826	2976.038	2992.249	2976.891	2990.542	2938.496	2894.128	2870.238	2859.146	2867.678
41	2885.596	2885.596	2904.367	2906.073	2901.807	2841.228	2814.779	2790.888	2780.650	2771.264
42	2784.916	2807.953	2821.604	2827.577	2821.604	2761.879	2722.631	2696.181	2686.795	2694.474
43	2708.979	2728.603	2742.255	2730.310	2723.484	2683.382	2650.107	2628.776	2615.978	2610.005
44	2618.538	2636.455	2642.428	2655.226	2646.694	2594.647	2568.198	2559.921	2569.563	2566.235
45	2553.437	2569.989	2572.634	2563.931	2562.225	2546.099	2521.782	2499.342	2495.076	2490.128
46	2476.220	2487.909	2495.588	2504.291	2514.615	2467.603	2446.699	2425.795	2420.419	2429.549
47	2416.495	2423.491	2418.542	2428.354	2436.801	2391.666	2390.557	2366.496	2360.950	2359.585
48	2344.056	2347.554	2357.452	2367.690	2376.735	2331.087	2317.180	2292.351	2286.293	2303.784
49	2286.549	2288.597	2283.733	2295.337	2302.078	2259.843	2258.307	2236.635	2229.554	2234.417
50	2213.684	2215.134	2224.349	2234.673	2244.144	2205.066	2186.466	2166.245	2159.675	2162.832
51	2153.532	2157.627	2153.361	2162.746	2172.047	2134.078	2113.089	2094.404	2102.594	2102.936
52	2079.045	2084.421	2098.499	2106.007	2117.355	2076.656	2055.155	2039.371	2032.886	2031.436
53	2022.989	2008.399	2023.586	2028.108	2046.964	2009.593	1984.764	1969.662	1961.642	1975.379

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

54	1949.868	1950.294	1963.007	1967.359	1974.526	1939.288	1928.793	1912.752	1901.746	1905.159
55	1875.893	1878.282	1891.081	1896.456	1916.677	1881.866	1855.587	1845.007	1832.208	1847.396
56	1816.424	1821.543	1832.720	1825.809	1845.092	1810.451	1798.250	1786.134	1775.469	1771.544
57	1741.255	1749.190	1758.149	1765.828	1785.452	1752.603	1724.361	1712.757	1702.860	1698.935
58	1682.212	1689.550	1697.229	1688.952	1709.259	1678.884	1652.179	1654.482	1642.281	1640.319
59	1607.896	1615.575	1623.084	1629.056	1649.790	1618.562	1594.245	1577.522	1566.600	1564.041
60	1550.475	1557.386	1564.211	1555.935	1575.645	1540.492	1520.953	1500.390	1508.325	1503.633
61	1476.415	1481.108	1489.811	1495.442	1497.234	1479.487	1463.275	1441.774	1435.887	1429.914
62	1415.751	1418.737	1427.269	1417.201	1435.290	1404.659	1388.533	1369.080	1360.889	1370.104
63	1337.255	1340.667	1349.541	1356.623	1358.926	1330.343	1329.149	1309.098	1299.286	1291.351
64	1275.908	1281.198	1290.754	1281.198	1299.115	1269.765	1253.809	1231.540	1219.766	1209.100
65	1196.729	1205.858	1217.292	1219.595	1221.387	1187.855	1163.709	1160.808	1144.085	1131.969
66	1117.891	1131.116	1127.277	1125.229	1147.413	1104.410	1073.950	1057.483	1039.821	1029.412
67	1009.361	1020.197	1038.712	1038.371	1039.565	1000.914	974.379	961.069	963.202	954.926
68	934.790	945.711	941.018	944.431	945.711	930.609	904.842	888.716	874.552	866.532
69	851.259	861.157	870.798	878.136	879.160	845.713	824.724	805.271	792.728	800.237
70	787.865	781.039	785.988	793.582	796.312	763.036	761.586	745.375	734.709	727.372
71	708.003	715.768	721.655	729.249	732.150	703.652	687.185	667.731	658.517	666.281
72	649.046	641.879	647.851	651.861	654.506	628.227	625.156	607.494	598.876	592.477
73	574.986	582.324	590.600	584.116	597.085	572.682	556.215	537.359	526.267	522.940
74	506.046	514.322	515.175	523.110	524.561	502.292	481.217	480.705	471.149	467.139
75	447.259	452.805	459.033	451.098	465.774	437.020	416.116	401.526	387.533	383.353
76	371.066	380.708	385.486	387.960	388.301	359.462	340.265	331.903	335.999	331.647
77	316.631	325.589	330.794	319.276	321.579	296.580	294.447	286.597	275.505	272.263
78	262.024	267.997	272.263	271.325	276.444	253.919	240.011	233.612	225.336	229.517
79	222.008	225.507	231.650	222.862	224.995	206.394	203.067	194.279	190.183	184.381
80	176.361	178.921	185.234	184.552	187.623	171.242	160.576	153.153	148.205	143.853
81	144.280	139.843	143.597	143.939	145.986	132.591	122.181	114.844	116.977	113.564
82	108.274	110.919	113.905	108.103	110.151	94.964	93.428	86.175	82.592	79.606
83	75.084	76.619	79.264	81.397	82.677	70.732	63.736	59.043	56.227	59.043
84	54.521	56.483	57.592	55.203	56.654	47.695	46.501	42.405	40.528	39.589
85	35.921	36.689	37.883	39.078	40.443	34.214	30.972	29.010	27.900	27.559
86	25.938	24.743	25.853	26.535	27.303	22.269	19.539	17.576	16.553	18.600
87	15.017	16.041	17.491	16.041	16.553	12.542	12.201	10.153	8.874	8.874
88	5.802	7.082	8.788	9.215	9.641	6.826	5.205	3.242	2.901	3.328
89	1.706	1.877	3.072	2.389	2.986	2.645	2.560	2.474	2.389	2.389
90	1.536	1.536	1.536	1.536	2.474	2.389	2.218	2.218	2.218	2.218
91	1.365	1.365	1.365	1.450	2.218	2.218	2.133	1.962	1.962	2.048
92	1.365	1.365	1.365	1.280	2.048	1.962	1.877	1.877	1.877	1.792
93	1.280	1.280	1.195	1.280	1.877	1.877	1.792	1.792	1.706	1.706
94	1.109	1.109	1.024	1.109	1.706	1.792	1.706	1.621	1.621	1.536
95	1.109	1.109	1.024	1.024	1.706	1.621	1.621	1.536	1.536	1.536
96	1.024	1.024	0.939	0.939	1.536	1.536	1.536	1.450	1.450	1.450
97	0.939	0.939	0.939	0.853	1.450	1.450	1.365	1.365	1.365	1.365
98	0.853	0.853	0.853	0.853	1.365	1.365	1.365	1.365	1.280	1.280
99	0.768	0.853	0.768	0.768	1.365	1.280	1.280	1.280	1.280	1.280
100	0.768	0.768	0.768	0.853	1.280	1.195	1.195	1.280	1.195	1.195
101	0.683	0.768	0.683	0.768	1.195	1.195	1.195	1.195	1.195	1.195
102	0.683	0.768	0.683	0.597	1.195	1.195	1.109	1.109	1.109	1.109
103	0.768	0.768	0.683	0.768	1.195	1.109	1.109	1.109	1.195	1.195
104	0.683	0.768	0.683	0.768	1.109	1.109	1.109	1.109	1.109	1.109
105	0.683	0.683	0.683	0.683	1.109	1.109	1.024	1.109	1.109	1.024
106	0.768	0.768	0.768	0.768	1.109	1.024	1.109	1.109	1.109	1.024
107	0.768	0.683	0.683	0.768	1.109	1.109	1.109	1.109	1.024	1.024
108	0.768	0.768	0.683	0.768	1.109	1.109	1.024	1.109	1.109	1.024
109	0.768	0.768	0.768	0.768	1.109	1.109	1.109	1.109	1.109	1.024

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

110	0.768	0.768	0.768	0.768	1.109	1.109	1.109	1.109	1.109	1.109
111	0.853	0.768	0.768	0.853	1.109	1.109	1.109	1.109	1.109	1.109
112	0.853	0.853	0.853	0.853	1.109	1.109	1.109	1.109	1.109	1.109
113	0.853	0.939	0.853	0.853	1.195	1.109	1.109	1.109	1.109	1.109
114	0.939	0.939	0.853	0.939	1.195	1.195	1.195	1.109	1.195	1.195
115	0.939	0.939	0.939	0.939	1.280	1.109	1.195	1.195	1.195	1.195
116	0.939	0.939	0.939	0.939	1.195	1.195	1.195	1.195	1.195	1.195
117	1.024	0.939	0.939	1.024	1.195	1.195	1.195	1.280	1.195	1.195
118	1.024	0.939	1.024	0.939	1.195	1.195	1.280	1.280	1.280	1.195
119	1.024	1.024	1.024	1.024	1.280	1.195	1.195	1.280	1.280	1.195
120	1.024	1.109	1.109	1.109	1.280	1.280	1.195	1.280	1.280	1.280
121	1.024	1.024	1.024	1.109	1.365	1.280	1.280	1.280	1.280	1.280
122	1.109	1.024	1.109	1.109	1.450	1.280	1.450	1.280	1.365	1.280
123	1.109	1.109	1.195	1.109	1.450	1.365	1.365	1.365	1.450	1.365
124	1.280	1.195	1.195	1.195	1.450	1.450	1.365	1.450	1.365	1.365
125	1.195	1.280	1.195	1.195	1.450	1.365	1.536	1.450	1.536	1.365
126	1.365	1.280	1.280	1.280	1.621	1.450	1.450	1.450	1.536	1.365
127	1.365	1.280	1.280	1.280	1.536	1.450	1.536	1.536	1.621	1.450
128	1.365	1.280	1.365	1.280	1.621	1.450	1.536	1.536	1.621	1.450
129	1.450	1.365	1.365	1.280	1.706	1.450	1.450	1.621	1.536	1.450
130	1.536	1.365	1.365	1.365	1.706	1.536	1.536	1.621	1.706	1.536
131	1.450	1.536	1.365	1.365	1.706	1.536	1.536	1.706	1.792	1.536
132	1.536	1.450	1.450	1.365	1.792	1.621	1.536	1.706	1.792	1.621
133	1.621	1.621	1.450	1.365	1.792	1.706	1.706	1.706	1.792	1.706
134	1.621	1.536	1.536	1.536	1.792	1.706	1.621	1.792	1.877	1.706
135	1.792	1.621	1.450	1.536	1.877	1.706	1.706	1.792	1.877	1.706
136	1.706	1.706	1.536	1.621	1.962	1.706	1.792	1.877	1.877	1.706
137	1.792	1.706	1.621	1.621	1.962	1.792	1.792	1.962	1.962	1.792
138	1.877	1.792	1.706	1.621	2.048	1.792	1.792	1.962	2.048	1.877
139	1.877	1.792	1.706	1.706	2.048	1.877	1.877	2.048	2.133	1.792
140	2.048	1.877	1.706	1.792	2.133	1.962	1.962	2.048	2.133	1.962
141	2.048	1.962	1.792	1.792	2.133	1.877	1.962	2.048	2.218	1.962
142	2.133	1.962	1.877	1.877	2.218	1.962	2.048	2.133	2.218	2.048
143	2.133	2.048	1.877	1.877	2.218	1.962	2.048	2.218	2.218	2.048
144	2.218	2.133	1.962	1.962	2.218	2.048	2.133	2.218	2.304	2.133
145	2.218	2.133	2.048	2.048	2.389	2.133	2.133	2.304	2.304	2.133
146	2.304	2.218	2.048	2.048	2.389	2.218	2.218	2.218	2.389	2.218
147	2.304	2.218	2.133	2.133	2.389	2.218	2.218	2.389	2.389	2.218
148	2.389	2.304	2.133	2.133	2.474	2.218	2.389	2.389	2.474	2.218
149	2.474	2.304	2.304	2.218	2.474	2.304	2.389	2.474	2.474	2.304
150	2.474	2.389	2.218	2.218	2.474	2.389	2.389	2.474	2.560	2.389
151	2.560	2.389	2.304	2.304	2.560	2.304	2.389	2.560	2.645	2.389
152	2.560	2.474	2.389	2.304	2.560	2.389	2.474	2.560	2.645	2.389
153	2.560	2.474	2.389	2.304	2.645	2.389	2.474	2.560	2.645	2.474
154	2.560	2.474	2.389	2.389	2.645	2.474	2.560	2.645	2.645	2.560
155	2.560	2.474	2.389	2.389	2.730	2.389	2.474	2.645	2.645	2.474
156	2.645	2.560	2.474	2.389	2.730	2.560	2.560	2.645	2.730	2.474
157	2.645	2.560	2.474	2.389	2.730	2.560	2.560	2.645	2.730	2.560
158	2.645	2.560	2.474	2.474	2.730	2.560	2.560	2.645	2.730	2.474
159	2.645	2.645	2.474	2.474	2.730	2.645	2.560	2.645	2.730	2.560
160	2.645	2.645	2.474	2.560	2.730	2.560	2.560	2.730	2.816	2.560
161	2.730	2.645	2.474	2.560	2.730	2.560	2.560	2.730	2.730	2.645
162	2.730	2.730	2.560	2.560	2.730	2.645	2.645	2.730	2.816	2.645
163	2.730	2.730	2.560	2.560	2.730	2.560	2.645	2.816	2.901	2.645
164	2.816	2.730	2.645	2.560	2.816	2.645	2.645	2.816	2.901	2.645
165	2.816	2.730	2.560	2.645	2.816	2.730	2.645	2.816	2.901	2.730

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

166	2.816	2.816	2.730	2.730	2.816	2.645	2.730	2.901	2.901	2.730
167	2.901	2.816	2.730	2.730	2.816	2.816	2.816	2.901	2.986	2.730
168	2.986	2.901	2.816	2.816	2.901	2.816	2.816	2.986	2.901	2.816
169	2.901	2.901	2.816	2.901	2.986	2.816	2.816	2.986	2.986	2.816
170	2.901	2.986	2.901	2.901	2.986	2.901	2.986	2.986	2.986	2.901
171	2.986	2.986	2.986	2.986	2.986	2.986	2.901	2.986	2.986	2.901
172	3.072	3.072	2.986	2.986	2.986	2.986	2.986	2.986	3.072	2.901
173	3.157	3.072	2.986	2.986	2.986	2.986	2.986	3.157	3.072	2.986
174	3.157	3.157	2.986	2.986	3.072	2.986	3.072	3.157	3.072	2.986
175	3.157	3.157	3.072	3.072	3.072	3.072	3.072	3.157	3.157	2.986
176	3.242	3.157	3.157	3.072	3.157	3.072	3.157	3.242	3.242	3.072
177	3.157	3.242	3.242	3.157	3.242	3.157	3.242	3.242	3.242	3.157
178	3.242	3.242	3.242	3.242	3.242	3.157	3.157	3.242	3.242	3.242
179	3.242	3.157	3.242	3.242	3.328	3.157	3.328	3.328	3.328	3.242
180	3.232	3.232	3.232	3.232	3.232	3.232	3.232	3.232	3.232	3.232

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	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881	3872.881
1	3863.388	3859.122	3880.452	3879.599	3877.040	3871.920	3873.627
2	3859.975	3854.856	3877.040	3877.040	3873.627	3870.214	3872.773
3	3857.416	3852.296	3874.480	3873.627	3869.360	3867.654	3871.067
4	3854.856	3848.030	3869.360	3871.067	3865.094	3862.535	3867.654
5	3848.030	3843.764	3864.241	3865.948	3859.975	3859.122	3861.681
6	3840.351	3836.938	3858.269	3860.828	3855.709	3854.002	3855.709
7	3830.112	3830.966	3852.296	3854.856	3849.736	3848.883	3849.736
8	3821.580	3821.580	3842.911	3847.177	3843.764	3841.204	3841.204
9	3813.048	3815.608	3833.525	3834.378	3836.085	3834.378	3831.819
10	3805.369	3804.516	3824.140	3824.993	3824.993	3822.433	3819.874
11	3791.717	3794.277	3811.341	3812.195	3815.608	3812.195	3810.488
12	3781.479	3779.772	3800.250	3801.956	3805.369	3798.543	3796.837
13	3766.121	3768.680	3789.158	3789.158	3789.158	3785.745	3784.892
14	3752.469	3751.616	3772.947	3776.359	3776.359	3768.680	3768.680
15	3734.552	3733.698	3757.589	3758.442	3759.295	3755.029	3754.176
16	3719.194	3717.487	3735.405	3742.231	3745.644	3739.671	3736.258
17	3697.863	3698.716	3717.487	3720.900	3725.166	3720.047	3721.753
18	3679.092	3674.826	3693.597	3701.276	3708.102	3698.716	3702.982
19	3655.202	3656.055	3673.973	3677.385	3684.211	3681.652	3687.625
20	3636.431	3632.165	3648.376	3658.615	3664.587	3662.881	3664.587
21	3615.954	3609.981	3628.752	3634.724	3636.431	3639.844	3643.257
22	3589.504	3583.531	3601.449	3613.394	3613.394	3611.688	3617.660
23	3567.320	3563.054	3580.972	3584.384	3584.384	3588.651	3592.917
24	3536.604	3535.751	3551.109	3561.348	3563.907	3565.614	3567.320
25	3512.714	3511.861	3525.512	3531.485	3534.044	3539.164	3537.457
26	3482.851	3484.558	3489.677	3507.595	3509.301	3516.127	3512.714
27	3456.401	3448.722	3463.227	3481.998	3475.172	3481.998	3479.438
28	3428.245	3420.566	3429.951	3445.310	3447.869	3453.842	3452.135
29	3389.850	3384.730	3400.942	3417.153	3420.566	3421.419	3419.713
30	3359.987	3356.574	3369.373	3383.024	3386.437	3393.263	3391.556
31	3330.124	3327.565	3333.537	3354.015	3355.721	3363.400	3363.400
32	3290.876	3288.317	3302.821	3321.592	3323.299	3322.445	3324.152
33	3256.747	3255.894	3271.252	3279.784	3284.051	3289.170	3291.730
34	3213.233	3213.233	3229.444	3245.656	3253.334	3247.362	3250.775
35	3179.104	3177.398	3194.462	3202.994	3211.527	3213.233	3215.793
36	3139.003	3139.856	3158.627	3167.159	3173.985	3177.398	3181.664

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

37	3082.690	3084.397	3108.287	3126.204	3133.030	3126.204	3132.177
38	3030.644	3034.057	3062.213	3069.039	3076.718	3080.130	3087.809
39	2949.588	2957.267	2987.983	3016.139	3020.405	3024.671	3022.111
40	2871.944	2882.183	2915.458	2929.963	2936.789	2939.349	2959.826
41	2777.237	2784.916	2813.925	2850.614	2859.146	2860.852	2885.596
42	2702.153	2704.713	2735.429	2768.705	2761.879	2763.585	2784.916
43	2615.125	2611.712	2658.639	2669.731	2687.648	2691.062	2708.979
44	2568.709	2565.552	2569.392	2599.767	2617.684	2603.179	2618.538
45	2495.930	2488.762	2509.667	2521.526	2532.533	2539.870	2553.437
46	2437.484	2428.696	2434.071	2461.203	2471.954	2464.104	2476.220
47	2362.144	2355.148	2373.663	2388.509	2398.236	2404.720	2416.495
48	2302.504	2295.252	2298.665	2325.968	2320.166	2332.196	2344.056
49	2229.212	2226.141	2228.700	2250.969	2257.625	2274.177	2286.549
50	2155.409	2169.914	2170.767	2179.299	2184.162	2197.814	2213.684
51	2097.048	2098.072	2097.048	2121.365	2124.949	2138.515	2153.532
52	2026.572	2026.572	2038.005	2050.548	2051.486	2066.076	2079.045
53	1969.406	1967.529	1962.922	1993.723	1993.638	2009.081	2022.989
54	1899.186	1895.091	1902.429	1921.029	1920.773	1938.776	1949.868
55	1841.338	1839.546	1827.089	1862.498	1862.839	1881.525	1875.893
56	1770.776	1767.619	1768.643	1790.145	1790.742	1810.536	1816.424
57	1712.245	1709.600	1696.290	1733.576	1734.515	1753.371	1741.255
58	1638.015	1634.432	1636.735	1660.369	1663.100	1681.188	1682.212
59	1561.993	1571.464	1561.481	1597.914	1604.740	1621.377	1607.896
60	1502.182	1492.712	1502.865	1519.247	1530.424	1545.696	1550.475
61	1428.720	1417.116	1429.658	1458.241	1470.528	1468.736	1476.415
62	1368.312	1356.281	1368.738	1381.963	1394.847	1407.475	1415.751
63	1289.133	1277.102	1288.365	1319.166	1332.818	1328.978	1337.255
64	1225.397	1215.926	1209.612	1240.414	1256.113	1267.205	1275.908
65	1136.065	1128.898	1136.150	1177.019	1174.033	1185.552	1196.729
66	1035.129	1048.098	1029.412	1073.694	1090.929	1102.533	1117.891
67	956.547	951.598	946.991	968.919	989.140	999.293	1009.361
68	866.617	862.266	856.208	894.262	915.678	926.514	934.790
69	803.138	799.725	797.336	810.987	832.233	843.410	851.259
70	728.225	723.106	720.205	752.883	768.326	777.456	787.865
71	666.366	665.086	663.551	678.141	691.963	700.068	708.003
72	591.112	588.552	586.846	615.770	631.384	638.466	649.046
73	520.465	536.847	531.131	542.990	556.813	566.198	574.986
74	463.470	462.105	457.668	489.920	503.572	511.421	506.046
75	382.755	380.964	391.032	405.622	419.785	437.276	447.259
76	326.699	327.723	323.627	350.930	360.657	360.060	371.066
77	267.912	270.727	277.894	291.717	301.187	310.999	316.631
78	227.810	228.152	225.251	245.643	257.161	254.345	262.024
79	184.040	183.357	181.992	199.313	208.016	213.903	222.008
80	142.915	151.874	150.082	158.102	163.819	172.351	176.361
81	113.223	114.758	112.540	128.581	133.273	140.696	144.280
82	80.459	80.629	84.896	91.977	97.609	104.434	108.274
83	58.531	59.896	57.934	68.172	73.121	72.609	75.084
84	39.589	39.589	41.637	45.989	49.999	52.814	54.521
85	27.474	29.692	28.071	30.375	32.252	34.044	35.921
86	19.027	19.112	17.832	21.928	23.549	24.573	25.938
87	10.324	10.921	11.263	12.969	13.652	14.078	15.017
88	4.181	5.034	4.095	7.167	7.423	7.252	5.802
89	2.474	2.389	1.536	1.621	1.877	1.706	1.706
90	2.133	2.133	1.450	1.536	1.450	1.536	1.536
91	1.962	1.962	1.280	1.365	1.450	1.450	1.365
92	1.792	1.792	1.195	1.280	1.365	1.280	1.365

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

93	1.706	1.706	1.109	1.280	1.195	1.195	1.280
94	1.621	1.621	1.024	1.109	1.109	1.109	1.109
95	1.450	1.450	1.024	1.024	1.109	1.024	1.109
96	1.365	1.365	0.939	0.939	0.939	0.939	1.024
97	1.280	1.365	0.853	0.939	0.939	0.939	0.939
98	1.280	1.280	0.853	0.853	0.853	0.853	0.853
99	1.195	1.195	0.768	0.853	0.853	0.853	0.768
100	1.109	1.195	0.683	0.768	0.768	0.768	0.768
101	1.109	1.109	0.768	0.768	0.768	0.768	0.683
102	1.109	1.109	0.683	0.683	0.768	0.768	0.683
103	1.109	1.109	0.683	0.768	0.683	0.683	0.768
104	1.024	1.109	0.683	0.768	0.768	0.768	0.683
105	1.024	1.109	0.683	0.683	0.683	0.683	0.683
106	1.024	1.109	0.768	0.768	0.683	0.683	0.768
107	1.024	1.024	0.683	0.768	0.768	0.768	0.768
108	1.024	1.109	0.768	0.768	0.683	0.768	0.768
109	1.024	1.024	0.768	0.768	0.768	0.768	0.768
110	1.024	1.109	0.853	0.853	0.768	0.768	0.768
111	1.109	1.195	0.853	0.853	0.768	0.853	0.853
112	1.109	1.109	0.939	0.853	0.768	0.768	0.853
113	1.109	1.195	0.939	0.939	0.853	0.853	0.853
114	1.195	1.195	0.939	0.939	0.939	0.853	0.939
115	1.195	1.195	0.939	1.024	0.939	0.939	0.939
116	1.195	1.195	1.024	1.024	0.939	0.853	0.939
117	1.195	1.280	1.024	1.109	0.939	1.024	1.024
118	1.280	1.280	1.109	1.024	1.024	0.939	1.024
119	1.195	1.280	1.109	1.109	1.024	0.939	1.024
120	1.280	1.365	1.195	1.109	1.109	1.024	1.024
121	1.365	1.365	1.195	1.109	1.109	1.024	1.024
122	1.365	1.365	1.280	1.109	1.109	1.109	1.109
123	1.365	1.365	1.195	1.195	1.109	1.024	1.109
124	1.450	1.450	1.280	1.280	1.195	1.109	1.280
125	1.536	1.450	1.365	1.280	1.280	1.109	1.195
126	1.450	1.536	1.365	1.365	1.280	1.195	1.365
127	1.536	1.536	1.450	1.365	1.280	1.280	1.365
128	1.536	1.621	1.450	1.450	1.280	1.195	1.365
129	1.621	1.621	1.536	1.450	1.365	1.365	1.450
130	1.621	1.621	1.536	1.450	1.365	1.365	1.536
131	1.536	1.621	1.536	1.450	1.365	1.365	1.450
132	1.621	1.792	1.621	1.536	1.536	1.365	1.536
133	1.706	1.792	1.621	1.536	1.450	1.450	1.621
134	1.706	1.877	1.621	1.621	1.536	1.536	1.621
135	1.792	1.877	1.792	1.706	1.536	1.536	1.792
136	1.792	1.877	1.792	1.792	1.621	1.536	1.706
137	1.792	1.962	1.877	1.792	1.706	1.621	1.792
138	1.877	1.962	1.877	1.792	1.621	1.621	1.877
139	1.877	2.048	1.962	1.877	1.706	1.706	1.877
140	2.048	2.133	2.048	1.962	1.792	1.792	2.048
141	2.048	2.218	2.048	1.962	1.792	1.792	2.048
142	2.048	2.133	2.133	1.962	1.962	1.792	2.133
143	2.133	2.218	2.133	2.133	1.877	1.877	2.133
144	2.133	2.304	2.218	2.048	2.048	1.962	2.218
145	2.133	2.304	2.133	2.133	2.048	1.962	2.218
146	2.218	2.304	2.218	2.133	2.048	2.048	2.304
147	2.304	2.389	2.304	2.218	2.133	2.133	2.304
148	2.304	2.389	2.389	2.218	2.218	2.218	2.389

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

149	2.304	2.474	2.389	2.304	2.218	2.218	2.474
150	2.389	2.474	2.389	2.389	2.304	2.218	2.474
151	2.389	2.560	2.474	2.389	2.304	2.304	2.560
152	2.474	2.560	2.560	2.389	2.389	2.304	2.560
153	2.474	2.560	2.560	2.474	2.389	2.304	2.560
154	2.560	2.645	2.645	2.560	2.474	2.389	2.560
155	2.560	2.645	2.645	2.474	2.474	2.389	2.560
156	2.560	2.645	2.560	2.560	2.474	2.389	2.645
157	2.560	2.645	2.645	2.560	2.474	2.474	2.645
158	2.560	2.730	2.645	2.560	2.474	2.474	2.645
159	2.560	2.730	2.730	2.645	2.560	2.560	2.645
160	2.560	2.730	2.730	2.560	2.560	2.645	2.645
161	2.560	2.730	2.730	2.730	2.560	2.560	2.730
162	2.560	2.730	2.645	2.645	2.560	2.645	2.730
163	2.645	2.730	2.730	2.730	2.560	2.645	2.730
164	2.645	2.816	2.730	2.816	2.560	2.645	2.816
165	2.560	2.816	2.645	2.816	2.645	2.730	2.816
166	2.645	2.901	2.730	2.816	2.645	2.730	2.816
167	2.816	2.816	2.816	2.816	2.730	2.730	2.901
168	2.816	2.901	2.816	2.901	2.816	2.816	2.986
169	2.901	2.901	2.816	2.901	2.816	2.901	2.901
170	2.901	2.986	2.901	2.986	2.901	2.901	2.901
171	2.901	2.986	2.901	2.986	2.986	2.986	2.986
172	2.986	3.072	2.986	2.986	2.986	2.986	3.072
173	2.986	2.986	2.986	3.072	2.986	2.986	3.157
174	3.072	3.072	3.072	2.986	3.072	2.986	3.157
175	3.072	3.157	3.072	3.157	3.072	3.072	3.157
176	3.072	3.157	3.072	3.242	3.157	3.157	3.242
177	3.242	3.157	3.072	3.157	3.242	3.157	3.157
178	3.242	3.328	3.242	3.242	3.242	3.242	3.242
179	3.242	3.328	3.328	3.242	3.242	3.242	3.242
180	3.232	3.232	3.232	3.232	3.232	3.232	3.232

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1426.21	N.A.	13.80
0-30	3053.69	N.A.	29.50
0-40	5050.54	N.A.	48.90
0-60	8674.39	N.A.	83.90
0-80	10273.26	N.A.	99.40
0-90	10327.53	N.A.	99.90
10-90	9960.52	N.A.	96.40
20-40	3624.33	N.A.	35.10
20-50	5582.44	N.A.	54.00
40-70	4765.35	N.A.	46.10
60-80	1598.87	N.A.	15.50
70-80	457.37	N.A.	4.40
80-90	54.27	N.A.	0.50
90-110	2.44	N.A.	0.00
90-120	3.49	N.A.	0.00
90-130	4.69	N.A.	0.00
90-150	7.36	N.A.	0.10
90-180	9.60	N.A.	0.10
110-180	7.16	N.A.	0.10
0-180	10337.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	367.00
10-20	1059.21
20-30	1627.48
30-40	1996.85
40-50	1958.11
50-60	1665.74
60-70	1141.51
70-80	457.37
80-90	54.27
90-100	1.46
100-110	0.98
110-120	1.05
120-130	1.20
130-140	1.32
140-150	1.35
150-160	1.17
160-170	0.78
170-180	0.29

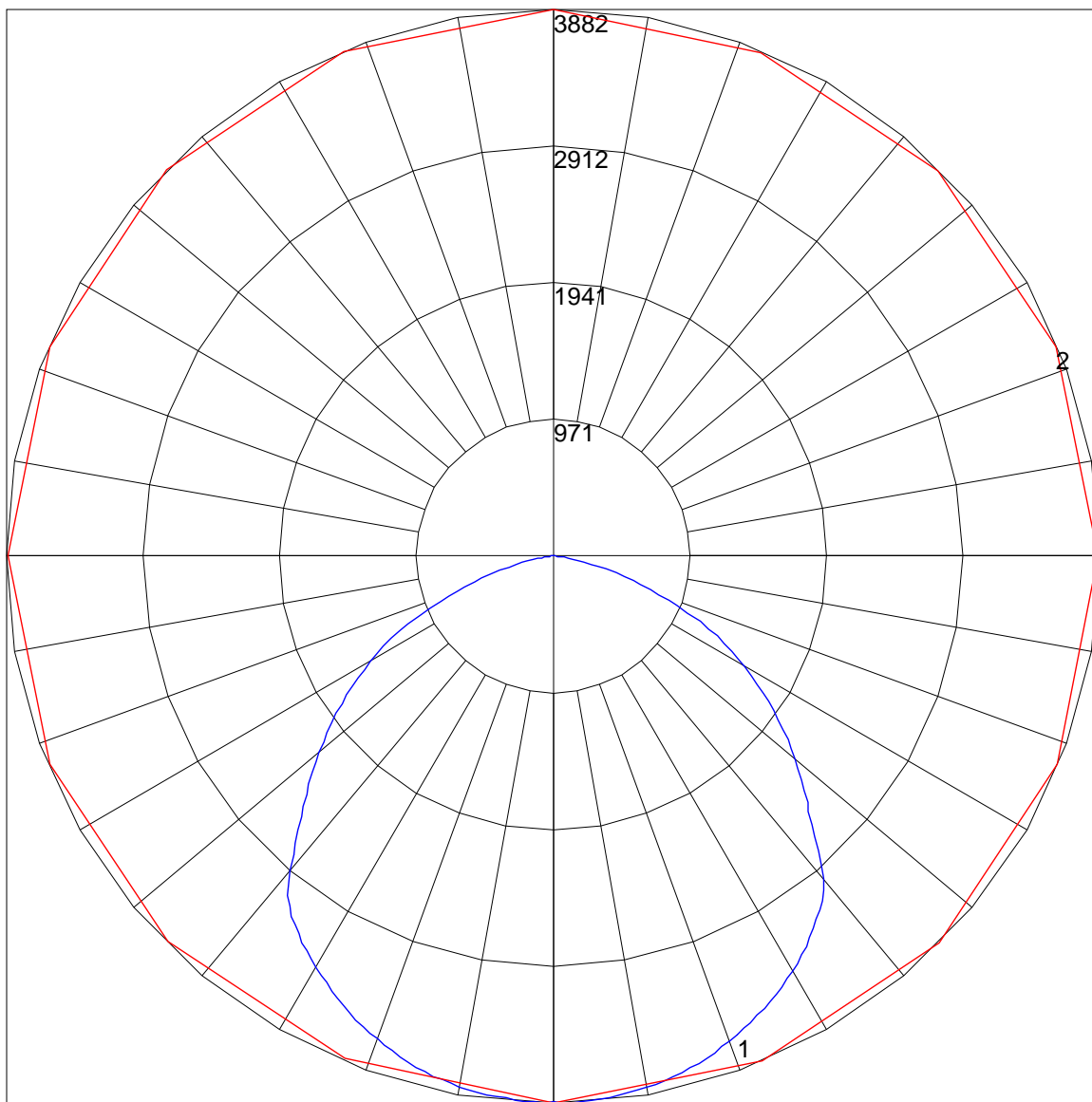
IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT40VWD120-277V.IES

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	97	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	73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 3882.159 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)