



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]  
 [TESTLAB] BEGHELLI  
 [TESTDATE] 2016-02-25  
 [ISSUEDATE] 2016-03-08 14:42:10  
 [NEARFIELD]  
 [LAMPPOSITION] 0,0  
 [MANUFAC] BEGHELLI  
 [LUMINAIRE] NUVHTHOWT40VWD120-277V  
 [LAMP] 4000K Ra80

### CHARACTERISTICS

Lumens Per Lamp	30097 (1 lamp)
Total Lamp Lumens	30097
Luminaire Lumens	30097
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	241.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.38 m (Diameter)
Luminous Width (90-270)	0.38 m (Diameter)
Luminous Height	0.12 m

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	65752	65773	65771
55	55934	55989	55940
65	40580	40469	40436
75	18227	18193	18143
85	993	1092	1063

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**CANDELA TABULATION**

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
0	10641.06	10641.06	10641.06	10641.06	10641.06	10641.06	10641.06	10641.06	10641.06	10641.06
1	10639.04	10639.46	10638.64	10639.22	10638.99	10639.03	10639.04	10639.03	10638.99	10639.22
2	10634.14	10634.13	10634.20	10634.31	10633.89	10634.08	10634.14	10634.08	10633.89	10634.31
3	10625.74	10627.15	10626.83	10627.21	10626.24	10625.91	10625.74	10625.91	10626.24	10627.21
4	10615.43	10617.18	10616.90	10617.31	10615.52	10615.53	10615.43	10615.53	10615.52	10617.31
5	10601.96	10604.24	10603.85	10604.78	10602.92	10602.19	10601.96	10602.19	10602.92	10604.78
6	10586.32	10588.30	10588.14	10589.39	10587.08	10585.95	10586.32	10585.95	10587.08	10589.39
7	10567.02	10569.55	10569.29	10570.14	10568.62	10567.06	10567.02	10567.06	10568.62	10570.14
8	10544.90	10547.31	10547.14	10548.25	10546.36	10544.41	10544.90	10544.41	10546.36	10548.25
9	10519.62	10521.12	10521.59	10523.26	10520.91	10518.84	10519.62	10518.84	10520.91	10523.26
10	10490.00	10492.31	10492.21	10494.38	10492.09	10489.66	10490.00	10489.66	10492.09	10494.38
11	10457.58	10459.64	10459.37	10461.88	10458.71	10457.09	10457.58	10457.09	10458.71	10461.88
12	10421.05	10422.78	10423.23	10425.92	10423.02	10421.58	10421.05	10421.58	10423.02	10425.92
13	10381.31	10382.93	10383.27	10385.86	10382.90	10382.26	10381.31	10382.26	10382.90	10385.86
14	10338.67	10340.66	10340.80	10342.91	10340.02	10340.27	10338.67	10340.27	10340.02	10342.91
15	10292.04	10294.33	10294.34	10296.53	10293.75	10293.91	10292.04	10293.91	10293.75	10296.53
16	10242.66	10245.35	10245.09	10246.58	10244.39	10245.04	10242.66	10245.04	10244.39	10246.58
17	10190.21	10193.18	10191.98	10193.95	10191.71	10192.48	10190.21	10192.48	10191.71	10193.95
18	10135.22	10137.54	10136.44	10137.39	10136.44	10137.20	10135.22	10137.20	10136.44	10137.39
19	10076.56	10078.74	10077.30	10078.05	10076.88	10077.82	10076.56	10077.82	10076.88	10078.05
20	10015.30	10017.05	10015.65	10015.94	10015.08	10016.85	10015.30	10016.85	10015.08	10015.94
21	9950.53	9951.70	9949.96	9951.07	9949.68	9951.92	9950.53	9951.92	9949.68	9951.07
22	9882.54	9883.74	9882.30	9882.33	9880.59	9883.66	9882.54	9883.66	9880.59	9882.33
23	9811.42	9812.55	9810.65	9810.44	9809.00	9811.83	9811.42	9811.83	9809.00	9810.44
24	9736.83	9738.07	9736.87	9735.21	9733.93	9736.95	9736.83	9736.95	9733.93	9735.21
25	9659.45	9661.26	9659.67	9657.36	9656.11	9659.70	9659.45	9659.70	9656.11	9657.36
26	9578.05	9580.47	9579.11	9576.94	9575.56	9579.48	9578.05	9579.48	9575.56	9576.94
27	9493.15	9496.16	9494.57	9493.07	9491.69	9495.06	9493.15	9495.06	9491.69	9493.07
28	9405.71	9408.17	9407.62	9405.51	9404.81	9406.97	9405.71	9406.97	9404.81	9405.51
29	9314.56	9317.53	9317.13	9316.22	9314.46	9315.59	9314.56	9315.59	9314.46	9316.22
30	9220.83	9222.84	9222.45	9221.97	9221.21	9220.99	9220.83	9220.99	9221.21	9221.97
31	9122.48	9124.35	9125.50	9124.83	9123.92	9122.25	9122.48	9122.25	9123.92	9124.83
32	9021.10	9022.60	9023.59	9023.76	9022.23	9020.96	9021.10	9020.96	9022.23	9023.76
33	8916.51	8917.20	8919.60	8919.65	8917.67	8915.47	8916.51	8915.47	8917.67	8919.65
34	8808.55	8808.33	8811.66	8811.50	8809.02	8807.54	8808.55	8807.54	8809.02	8811.50
35	8697.68	8696.91	8699.84	8699.66	8697.23	8696.25	8697.68	8696.25	8697.23	8699.66
36	8582.02	8581.71	8585.63	8584.88	8581.36	8581.58	8582.02	8581.58	8581.36	8584.88
37	8463.72	8463.23	8467.53	8467.54	8462.56	8463.32	8463.72	8463.32	8462.56	8467.54
38	8342.04	8341.17	8346.05	8345.20	8341.18	8342.12	8342.04	8342.12	8341.18	8345.20
39	8216.40	8217.69	8220.68	8220.10	8216.25	8216.84	8216.40	8216.84	8216.25	8220.10
40	8089.24	8088.48	8093.50	8092.88	8088.55	8088.52	8089.24	8088.52	8088.55	8092.88
41	7957.61	7956.76	7962.08	7960.53	7957.13	7955.99	7957.61	7955.99	7957.13	7960.53
42	7823.61	7821.61	7827.00	7825.96	7822.21	7821.79	7823.61	7821.79	7822.21	7825.96
43	7684.72	7682.82	7688.75	7687.46	7683.41	7682.99	7684.72	7682.99	7683.41	7687.46
44	7543.29	7541.02	7547.34	7544.32	7540.86	7540.17	7543.29	7540.17	7540.86	7544.32
45	7396.14	7395.91	7401.25	7398.30	7394.21	7395.66	7396.14	7395.66	7394.21	7398.30
46	7245.94	7246.15	7251.33	7248.04	7243.65	7245.94	7245.94	7245.94	7243.65	7248.04
47	7092.52	7094.52	7097.39	7094.31	7090.64	7094.08	7092.52	7094.08	7090.64	7094.31
48	6935.74	6937.21	6938.88	6937.14	6934.49	6936.86	6935.74	6936.86	6934.49	6937.14
49	6775.27	6776.33	6778.20	6776.58	6773.10	6775.63	6775.27	6775.63	6773.10	6776.58
50	6611.33	6612.03	6613.15	6611.07	6607.55	6611.20	6611.33	6611.20	6607.55	6611.07
51	6443.80	6443.86	6445.60	6442.46	6439.76	6442.63	6443.80	6442.63	6439.76	6442.46
52	6271.35	6270.87	6274.07	6271.02	6268.08	6270.43	6271.35	6270.43	6268.08	6271.02
53	6093.83	6096.41	6098.84	6094.47	6092.25	6093.95	6093.83	6093.95	6092.25	6094.47

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**CANDELA TABULATION - (Cont.)**

54	5914.11	5919.23	5918.60	5915.03	5912.67	5913.70	5914.11	5913.70	5912.67	5915.03
55	5730.24	5737.24	5734.66	5730.91	5728.03	5729.93	5730.24	5729.93	5728.03	5730.91
56	5540.80	5551.26	5546.27	5543.40	5541.60	5542.95	5540.80	5542.95	5541.60	5543.40
57	5347.94	5358.64	5354.33	5351.95	5351.35	5352.61	5347.94	5352.61	5351.35	5351.95
58	5152.74	5163.43	5158.54	5157.55	5157.29	5158.82	5152.74	5158.82	5157.29	5157.55
59	4956.30	4965.00	4959.71	4958.39	4959.41	4961.70	4956.30	4961.70	4959.41	4958.39
60	4756.61	4762.12	4758.17	4755.89	4757.47	4758.22	4756.61	4758.22	4757.47	4755.89
61	4555.37	4556.52	4554.46	4549.02	4549.72	4553.18	4555.37	4553.18	4549.72	4549.02
62	4340.48	4344.01	4338.17	4325.97	4327.75	4334.86	4340.48	4334.86	4327.75	4325.97
63	4107.08	4106.24	4099.05	4085.45	4093.99	4099.97	4107.08	4099.97	4093.99	4085.45
64	3862.88	3858.27	3849.10	3845.33	3855.91	3861.77	3862.88	3861.77	3855.91	3845.33
65	3623.62	3618.29	3609.01	3610.71	3615.29	3626.77	3623.62	3626.77	3615.29	3610.71
66	3391.92	3387.94	3378.03	3382.18	3385.16	3395.25	3391.92	3395.25	3385.16	3382.18
67	3161.93	3165.06	3152.77	3153.33	3157.60	3165.47	3161.93	3165.47	3157.60	3153.33
68	2937.81	2940.63	2917.11	2920.36	2923.85	2932.68	2937.81	2932.68	2923.85	2920.36
69	2691.85	2695.95	2676.47	2678.92	2687.18	2683.63	2691.85	2683.63	2687.18	2678.92
70	2443.27	2439.12	2429.03	2437.91	2446.21	2442.49	2443.27	2442.49	2446.21	2437.91
71	2213.00	2208.50	2200.61	2203.08	2209.66	2215.66	2213.00	2215.66	2209.66	2203.08
72	1991.75	1987.18	1980.67	1980.89	1982.68	1992.06	1991.75	1992.06	1982.68	1980.89
73	1762.01	1763.81	1752.72	1754.03	1762.23	1763.34	1762.01	1763.34	1762.23	1754.03
74	1541.13	1538.57	1533.59	1533.13	1541.67	1542.03	1541.13	1542.03	1541.67	1533.13
75	1338.45	1337.67	1334.17	1332.23	1336.69	1340.42	1338.45	1340.42	1336.69	1332.23
76	1141.60	1144.91	1139.53	1131.07	1139.24	1141.71	1141.60	1141.71	1139.24	1131.07
77	952.67	955.48	953.71	944.48	947.50	958.07	952.67	958.07	947.50	944.48
78	771.42	779.30	775.44	773.96	776.20	777.02	771.42	777.02	776.20	773.96
79	611.26	615.77	614.43	612.70	615.38	614.92	611.26	614.92	615.38	612.70
80	466.97	470.22	470.29	469.40	471.67	470.73	466.97	470.73	471.67	469.40
81	341.73	345.75	349.70	345.11	347.40	350.10	341.73	350.10	347.40	345.11
82	244.09	246.99	242.57	242.79	244.59	241.89	244.09	241.89	244.59	242.79
83	159.40	161.41	162.60	172.13	172.73	161.95	159.40	161.95	172.73	172.13
84	102.72	102.29	101.90	101.73	101.33	105.18	102.72	105.18	101.33	101.73
85	54.93	58.12	62.72	58.82	57.69	55.82	54.93	55.82	57.69	58.82
86	28.32	31.36	32.74	33.16	32.66	29.84	28.32	29.84	32.66	33.16
87	18.98	19.36	19.21	18.93	18.98	19.10	18.98	19.10	18.98	18.93
88	12.82	13.48	14.04	14.35	14.53	13.56	12.82	13.56	14.53	14.35
89	12.02	12.10	12.24	12.30	12.36	12.12	12.02	12.12	12.36	12.30
90	12.73	12.71	12.73	12.69	12.70	12.72	12.73	12.72	12.70	12.69
91	13.53	13.52	13.53	13.50	13.51	13.54	13.53	13.54	13.51	13.50
92	14.39	14.37	14.38	14.36	14.37	14.39	14.39	14.39	14.37	14.36
93	15.28	15.26	15.26	15.24	15.27	15.26	15.28	15.26	15.27	15.24
94	16.21	16.19	16.18	16.17	16.20	16.19	16.21	16.19	16.20	16.17
95	17.17	17.15	17.15	17.12	17.16	17.15	17.17	17.15	17.16	17.12
96	18.17	18.15	18.14	18.12	18.16	18.15	18.17	18.15	18.16	18.12
97	19.20	19.18	19.17	19.15	19.19	19.18	19.20	19.18	19.19	19.15
98	20.26	20.24	20.22	20.21	20.24	20.24	20.26	20.24	20.24	20.21
99	21.35	21.33	21.32	21.29	21.33	21.33	21.35	21.33	21.33	21.29
100	22.46	22.44	22.42	22.40	22.45	22.44	22.46	22.44	22.45	22.40
101	23.60	23.58	23.56	23.55	23.58	23.59	23.60	23.59	23.58	23.55
102	24.77	24.74	24.73	24.70	24.75	24.75	24.77	24.75	24.75	24.70
103	25.95	25.93	25.91	25.90	25.93	25.93	25.95	25.93	25.93	25.90
104	27.17	27.13	27.13	27.10	27.14	27.13	27.17	27.13	27.14	27.10
105	28.39	28.36	28.35	28.32	28.36	28.36	28.39	28.36	28.36	28.32
106	29.62	29.60	29.58	29.56	29.59	29.60	29.62	29.60	29.59	29.56
107	30.88	30.86	30.84	30.82	30.85	30.86	30.88	30.86	30.85	30.82
108	32.16	32.13	32.11	32.09	32.11	32.13	32.16	32.13	32.11	32.09
109	33.43	33.41	33.39	33.36	33.39	33.40	33.43	33.40	33.39	33.36

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**CANDELA TABULATION - (Cont.)**

110	34.72	34.69	34.67	34.64	34.67	34.68	34.72	34.68	34.67	34.64
111	36.00	35.98	35.96	35.92	35.96	35.97	36.00	35.97	35.96	35.92
112	37.29	37.26	37.24	37.21	37.24	37.26	37.29	37.26	37.24	37.21
113	38.58	38.56	38.53	38.50	38.53	38.55	38.58	38.55	38.53	38.50
114	39.87	39.85	39.82	39.78	39.81	39.84	39.87	39.84	39.81	39.78
115	41.16	41.13	41.10	41.06	41.10	41.13	41.16	41.13	41.10	41.06
116	42.45	42.41	42.38	42.34	42.37	42.41	42.45	42.41	42.37	42.34
117	43.73	43.70	43.66	43.61	43.65	43.69	43.73	43.69	43.65	43.61
118	45.01	44.97	44.93	44.88	44.92	44.97	45.01	44.97	44.92	44.88
119	46.29	46.25	46.21	46.15	46.20	46.25	46.29	46.25	46.20	46.15
120	47.56	47.52	47.47	47.42	47.47	47.52	47.56	47.52	47.47	47.42
121	48.82	48.78	48.74	48.69	48.73	48.79	48.82	48.79	48.73	48.69
122	50.09	50.05	50.01	49.95	50.00	50.05	50.09	50.05	50.00	49.95
123	51.36	51.32	51.26	51.21	51.27	51.31	51.36	51.31	51.27	51.21
124	52.62	52.58	52.53	52.47	52.53	52.58	52.62	52.58	52.53	52.47
125	53.89	53.84	53.78	53.74	53.79	53.85	53.89	53.85	53.79	53.74
126	55.15	55.11	55.06	55.00	55.06	55.12	55.15	55.12	55.06	55.00
127	56.42	56.38	56.33	56.27	56.34	56.39	56.42	56.39	56.34	56.27
128	57.69	57.64	57.60	57.54	57.61	57.66	57.69	57.66	57.61	57.54
129	58.96	58.92	58.87	58.82	58.88	58.94	58.96	58.94	58.88	58.82
130	60.25	60.18	60.15	60.09	60.16	60.20	60.25	60.20	60.16	60.09
131	61.53	61.46	61.43	61.37	61.44	61.50	61.53	61.50	61.44	61.37
132	62.81	62.75	62.71	62.65	62.73	62.78	62.81	62.78	62.73	62.65
133	64.09	64.03	64.00	63.93	64.01	64.06	64.09	64.06	64.01	63.93
134	65.37	65.30	65.26	65.20	65.28	65.33	65.37	65.33	65.28	65.20
135	66.63	66.56	66.53	66.47	66.54	66.60	66.63	66.60	66.54	66.47
136	67.88	67.82	67.78	67.72	67.80	67.85	67.88	67.85	67.80	67.72
137	69.13	69.06	69.02	68.96	69.04	69.10	69.13	69.10	69.04	68.96
138	70.36	70.28	70.26	70.20	70.28	70.33	70.36	70.33	70.28	70.20
139	71.57	71.49	71.47	71.41	71.49	71.54	71.57	71.54	71.49	71.41
140	72.76	72.69	72.66	72.61	72.69	72.73	72.76	72.73	72.69	72.61
141	73.94	73.87	73.83	73.79	73.87	73.92	73.94	73.92	73.87	73.79
142	75.09	75.02	74.99	74.95	75.03	75.07	75.09	75.07	75.03	74.95
143	76.23	76.16	76.13	76.10	76.17	76.21	76.23	76.21	76.17	76.10
144	77.34	77.28	77.24	77.21	77.28	77.33	77.34	77.33	77.28	77.21
145	78.45	78.38	78.35	78.31	78.39	78.42	78.45	78.42	78.39	78.31
146	79.52	79.46	79.43	79.39	79.47	79.51	79.52	79.51	79.47	79.39
147	80.58	80.51	80.49	80.45	80.52	80.56	80.58	80.56	80.52	80.45
148	81.61	81.55	81.53	81.50	81.56	81.61	81.61	81.61	81.56	81.50
149	82.63	82.57	82.55	82.52	82.58	82.62	82.63	82.62	82.58	82.52
150	83.62	83.57	83.56	83.52	83.59	83.63	83.62	83.63	83.59	83.52
151	84.60	84.56	84.54	84.51	84.58	84.61	84.60	84.61	84.58	84.51
152	85.58	85.53	85.52	85.49	85.55	85.58	85.58	85.58	85.55	85.49
153	86.53	86.50	86.47	86.46	86.51	86.54	86.53	86.54	86.51	86.46
154	87.47	87.43	87.41	87.40	87.45	87.47	87.47	87.47	87.45	87.40
155	88.39	88.36	88.34	88.33	88.38	88.40	88.39	88.40	88.38	88.33
156	89.30	89.26	89.25	89.24	89.30	89.31	89.30	89.31	89.30	89.24
157	90.18	90.15	90.14	90.14	90.18	90.20	90.18	90.20	90.18	90.14
158	91.05	91.02	91.02	91.01	91.06	91.07	91.05	91.07	91.06	91.01
159	91.89	91.87	91.86	91.86	91.91	91.91	91.89	91.91	91.91	91.86
160	92.73	92.71	92.68	92.70	92.74	92.74	92.73	92.74	92.74	92.70
161	93.52	93.52	93.50	93.51	93.55	93.55	93.52	93.55	93.55	93.51
162	94.31	94.30	94.29	94.30	94.33	94.34	94.31	94.34	94.33	94.30
163	95.07	95.05	95.05	95.06	95.08	95.09	95.07	95.09	95.08	95.06
164	95.80	95.81	95.81	95.81	95.82	95.82	95.80	95.82	95.82	95.81
165	96.50	96.52	96.54	96.54	96.54	96.51	96.50	96.51	96.54	96.54

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**CANDELA TABULATION - (Cont.)**

166	97.19	97.21	97.24	97.25	97.23	97.21	97.19	97.21	97.23	97.25
167	97.86	97.87	97.93	97.94	97.89	97.87	97.86	97.87	97.89	97.94
168	98.53	98.54	98.60	98.63	98.56	98.54	98.53	98.54	98.56	98.63
169	99.19	99.20	99.24	99.31	99.21	99.20	99.19	99.20	99.21	99.31
170	99.81	99.81	99.84	99.94	99.82	99.81	99.81	99.81	99.82	99.94
171	100.37	100.36	100.39	100.48	100.37	100.36	100.37	100.36	100.37	100.48
172	100.84	100.84	100.86	100.93	100.84	100.83	100.84	100.83	100.84	100.93
173	101.28	101.28	101.30	101.35	101.29	101.27	101.28	101.27	101.29	101.35
174	101.71	101.72	101.74	101.78	101.72	101.69	101.71	101.69	101.72	101.78
175	102.06	102.07	102.09	102.13	102.07	102.04	102.06	102.04	102.07	102.13
176	102.36	102.37	102.39	102.43	102.37	102.34	102.36	102.34	102.37	102.43
177	102.63	102.64	102.67	102.69	102.63	102.60	102.63	102.60	102.63	102.69
178	102.85	102.86	102.88	102.91	102.84	102.81	102.85	102.81	102.84	102.91
179	103.03	103.04	103.07	103.09	103.04	102.99	103.03	102.99	103.04	103.09
180	102.95	102.95	102.95	102.95	102.95	102.95	102.95	102.95	102.95	102.95

Vert. Angles	Horizontal Angles		
	<u>300</u>	<u>330</u>	<u>360</u>
0	10641.06	10641.06	10641.06
1	10638.64	10639.46	10639.04
2	10634.20	10634.13	10634.14
3	10626.83	10627.15	10625.74
4	10616.90	10617.18	10615.43
5	10603.85	10604.24	10601.96
6	10588.14	10588.30	10586.32
7	10569.29	10569.55	10567.02
8	10547.14	10547.31	10544.90
9	10521.59	10521.12	10519.62
10	10492.21	10492.31	10490.00
11	10459.37	10459.64	10457.58
12	10423.23	10422.78	10421.05
13	10383.27	10382.93	10381.31
14	10340.80	10340.66	10338.67
15	10294.34	10294.33	10292.04
16	10245.09	10245.35	10242.66
17	10191.98	10193.18	10190.21
18	10136.44	10137.54	10135.22
19	10077.30	10078.74	10076.56
20	10015.65	10017.05	10015.30
21	9949.96	9951.70	9950.53
22	9882.30	9883.74	9882.54
23	9810.65	9812.55	9811.42
24	9736.87	9738.07	9736.83
25	9659.67	9661.26	9659.45
26	9579.11	9580.47	9578.05
27	9494.57	9496.16	9493.15
28	9407.62	9408.17	9405.71
29	9317.13	9317.53	9314.56
30	9222.45	9222.84	9220.83
31	9125.50	9124.35	9122.48
32	9023.59	9022.60	9021.10
33	8919.60	8917.20	8916.51
34	8811.66	8808.33	8808.55
35	8699.84	8696.91	8697.68
36	8585.63	8581.71	8582.02

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**CANDELA TABULATION - (Cont.)**

37	8467.53	8463.23	8463.72
38	8346.05	8341.17	8342.04
39	8220.68	8217.69	8216.40
40	8093.50	8088.48	8089.24
41	7962.08	7956.76	7957.61
42	7827.00	7821.61	7823.61
43	7688.75	7682.82	7684.72
44	7547.34	7541.02	7543.29
45	7401.25	7395.91	7396.14
46	7251.33	7246.15	7245.94
47	7097.39	7094.52	7092.52
48	6938.88	6937.21	6935.74
49	6778.20	6776.33	6775.27
50	6613.15	6612.03	6611.33
51	6445.60	6443.86	6443.80
52	6274.07	6270.87	6271.35
53	6098.84	6096.41	6093.83
54	5918.60	5919.23	5914.11
55	5734.66	5737.24	5730.24
56	5546.27	5551.26	5540.80
57	5354.33	5358.64	5347.94
58	5158.54	5163.43	5152.74
59	4959.71	4965.00	4956.30
60	4758.17	4762.12	4756.61
61	4554.46	4556.52	4555.37
62	4338.17	4344.01	4340.48
63	4099.05	4106.24	4107.08
64	3849.10	3858.27	3862.88
65	3609.01	3618.29	3623.62
66	3378.03	3387.94	3391.92
67	3152.77	3165.06	3161.93
68	2917.11	2940.63	2937.81
69	2676.47	2695.95	2691.85
70	2429.03	2439.12	2443.27
71	2200.61	2208.50	2213.00
72	1980.67	1987.18	1991.75
73	1752.72	1763.81	1762.01
74	1533.59	1538.57	1541.13
75	1334.17	1337.67	1338.45
76	1139.53	1144.91	1141.60
77	953.71	955.48	952.67
78	775.44	779.30	771.42
79	614.43	615.77	611.26
80	470.29	470.22	466.97
81	349.70	345.75	341.73
82	242.57	246.99	244.09
83	162.60	161.41	159.40
84	101.90	102.29	102.72
85	62.72	58.12	54.93
86	32.74	31.36	28.32
87	19.21	19.36	18.98
88	14.04	13.48	12.82
89	12.24	12.10	12.02
90	12.73	12.71	12.73
91	13.53	13.52	13.53
92	14.38	14.37	14.39

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

93	15.26	15.26	15.28
94	16.18	16.19	16.21
95	17.15	17.15	17.17
96	18.14	18.15	18.17
97	19.17	19.18	19.20
98	20.22	20.24	20.26
99	21.32	21.33	21.35
100	22.42	22.44	22.46
101	23.56	23.58	23.60
102	24.73	24.74	24.77
103	25.91	25.93	25.95
104	27.13	27.13	27.17
105	28.35	28.36	28.39
106	29.58	29.60	29.62
107	30.84	30.86	30.88
108	32.11	32.13	32.16
109	33.39	33.41	33.43
110	34.67	34.69	34.72
111	35.96	35.98	36.00
112	37.24	37.26	37.29
113	38.53	38.56	38.58
114	39.82	39.85	39.87
115	41.10	41.13	41.16
116	42.38	42.41	42.45
117	43.66	43.70	43.73
118	44.93	44.97	45.01
119	46.21	46.25	46.29
120	47.47	47.52	47.56
121	48.74	48.78	48.82
122	50.01	50.05	50.09
123	51.26	51.32	51.36
124	52.53	52.58	52.62
125	53.78	53.84	53.89
126	55.06	55.11	55.15
127	56.33	56.38	56.42
128	57.60	57.64	57.69
129	58.87	58.92	58.96
130	60.15	60.18	60.25
131	61.43	61.46	61.53
132	62.71	62.75	62.81
133	64.00	64.03	64.09
134	65.26	65.30	65.37
135	66.53	66.56	66.63
136	67.78	67.82	67.88
137	69.02	69.06	69.13
138	70.26	70.28	70.36
139	71.47	71.49	71.57
140	72.66	72.69	72.76
141	73.83	73.87	73.94
142	74.99	75.02	75.09
143	76.13	76.16	76.23
144	77.24	77.28	77.34
145	78.35	78.38	78.45
146	79.43	79.46	79.52
147	80.49	80.51	80.58
148	81.53	81.55	81.61

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES

CANDELA TABULATION - (Cont.)

149	82.55	82.57	82.63
150	83.56	83.57	83.62
151	84.54	84.56	84.60
152	85.52	85.53	85.58
153	86.47	86.50	86.53
154	87.41	87.43	87.47
155	88.34	88.36	88.39
156	89.25	89.26	89.30
157	90.14	90.15	90.18
158	91.02	91.02	91.05
159	91.86	91.87	91.89
160	92.68	92.71	92.73
161	93.50	93.52	93.52
162	94.29	94.30	94.31
163	95.05	95.05	95.07
164	95.81	95.81	95.80
165	96.54	96.52	96.50
166	97.24	97.21	97.19
167	97.93	97.87	97.86
168	98.60	98.54	98.53
169	99.24	99.20	99.19
170	99.84	99.81	99.81
171	100.39	100.36	100.37
172	100.86	100.84	100.84
173	101.30	101.28	101.28
174	101.74	101.72	101.71
175	102.09	102.07	102.06
176	102.39	102.37	102.36
177	102.67	102.64	102.63
178	102.88	102.86	102.85
179	103.07	103.04	103.03
180	102.95	102.95	102.95



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3915.57	13.00	13.00
0-30	8368.69	27.80	27.80
0-40	13809.08	45.90	45.90
0-60	24619.91	81.80	81.80
0-80	29647.55	98.50	98.50
0-90	29781.53	99.00	99.00
10-90	28772.88	95.60	95.60
20-40	9893.51	32.90	32.90
20-50	15593.27	51.80	51.80
40-70	14390.44	47.80	47.80
60-80	5027.64	16.70	16.70
70-80	1448.03	4.80	4.80
80-90	133.98	0.40	0.40
90-110	48.88	0.20	0.20
90-120	89.59	0.30	0.30
90-130	137.77	0.50	0.50
90-150	238.18	0.80	0.80
90-180	315.82	1.00	1.00
110-180	266.94	0.90	0.90
0-180	30097.35	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1008.65
10-20	2906.92
20-30	4453.13
30-40	5440.39
40-50	5699.76
50-60	5111.07
60-70	3579.61
70-80	1448.03
80-90	133.98
90-100	18.86
100-110	30.02
110-120	40.71
120-130	48.17
130-140	51.37
140-150	49.05
150-160	40.74
160-170	27.23
170-180	9.67

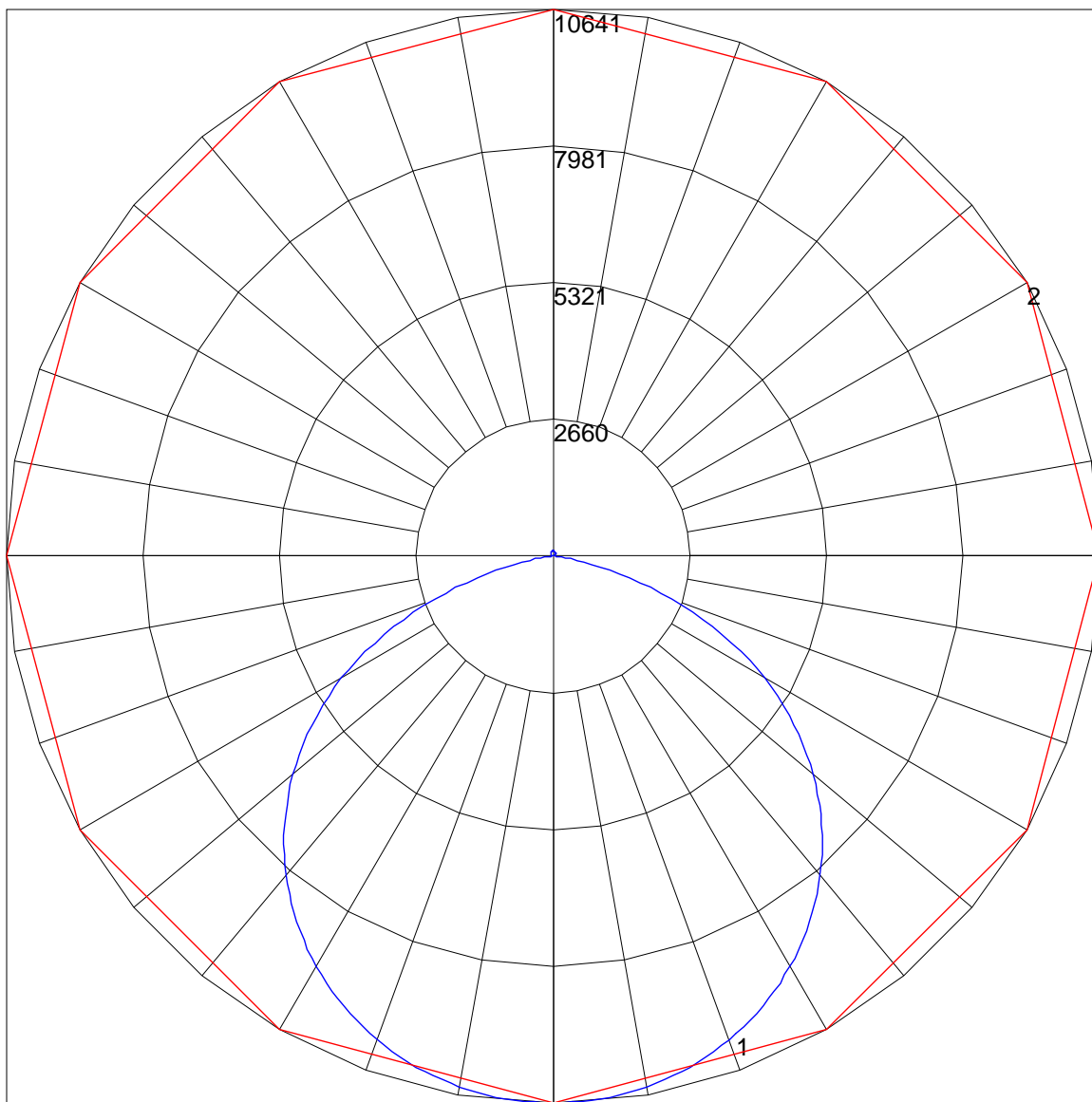
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTHOWT40VWD120-277V.IES**

**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	101	101	101	99
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	90	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	74	63	55	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	41	37	47	41	36	34
8	61	48	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	39	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

POLAR GRAPH



Maximum Candela = 10641.06 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.)