



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTVLOWT50WBD120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1
 [TESTLAB] BEGHELLI
 [TESTDATE] 2016-04-05
 [ISSUEDATE] 2016-04-06 14:22:10
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [MANUFAC] BEGHELLI
 [LUMINAIRE] NUVHTVLOWT50MWD120-277V
 [LAMP] 5000K Ra80

CHARACTERISTICS

Lumens Per Lamp	10834 (1 lamp)
Total Lamp Lumens	10834
Luminaire Lumens	10834
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	91.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.26 m (Diameter)
Luminous Width (90-270)	0.26 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	42613	42670	42658
55	15512	15581	15480
65	5605	5632	5666
75	1876	1858	1849
85	236	245	241

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CANDELA TABULATION

	0	15	30	45	60	75	90	105	120	135
0	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32
1	6377.71	6377.53	6377.98	6377.70	6378.01	6377.70	6378.36	6377.76	6377.91	6377.66
2	6373.66	6373.66	6373.79	6373.37	6373.57	6373.38	6374.51	6374.14	6373.99	6373.85
3	6366.87	6367.08	6367.00	6366.88	6367.16	6367.13	6367.87	6367.82	6367.15	6367.28
4	6357.69	6358.07	6358.15	6357.89	6357.92	6357.96	6358.22	6358.49	6358.08	6357.68
5	6345.74	6346.02	6346.47	6346.08	6346.29	6346.05	6346.48	6346.33	6346.15	6346.03
6	6331.00	6331.41	6331.64	6331.48	6331.85	6331.20	6331.48	6331.71	6331.20	6331.53
7	6313.64	6313.80	6314.28	6313.72	6314.47	6313.91	6314.08	6314.21	6314.23	6314.18
8	6294.01	6294.03	6293.91	6294.08	6294.60	6293.83	6293.87	6294.09	6294.43	6294.00
9	6271.44	6271.26	6271.63	6271.32	6271.77	6271.13	6271.66	6271.47	6271.73	6271.89
10	6245.79	6245.49	6245.96	6245.50	6245.93	6245.45	6245.89	6245.95	6245.87	6246.46
11	6217.56	6217.27	6217.71	6217.11	6217.70	6217.10	6217.48	6217.60	6217.94	6218.02
12	6186.84	6186.26	6186.49	6186.30	6186.68	6185.67	6186.35	6186.46	6186.94	6187.42
13	6152.90	6152.36	6152.48	6152.63	6152.71	6152.62	6153.22	6153.39	6153.80	6153.43
14	6117.03	6116.44	6116.02	6115.90	6116.08	6116.12	6117.35	6117.28	6117.30	6117.47
15	6077.45	6076.80	6077.07	6076.68	6076.96	6077.05	6077.71	6077.73	6078.18	6078.19
16	6035.98	6035.22	6034.73	6034.80	6035.45	6035.16	6036.41	6035.66	6035.97	6036.70
17	5991.60	5989.97	5990.64	5989.90	5990.62	5990.20	5991.25	5990.60	5990.97	5991.08
18	5943.19	5942.97	5942.44	5941.88	5942.68	5942.70	5943.62	5943.21	5943.34	5943.30
19	5892.95	5891.62	5891.35	5891.56	5891.58	5891.35	5891.99	5892.34	5892.02	5892.40
20	5838.94	5838.00	5837.26	5836.94	5837.60	5837.07	5837.48	5837.94	5837.94	5838.16
21	5781.62	5780.75	5780.62	5779.58	5779.86	5780.37	5780.41	5780.95	5780.95	5781.49
22	5720.73	5720.05	5719.81	5718.98	5718.81	5718.80	5719.01	5719.90	5720.50	5720.31
23	5656.24	5655.67	5655.33	5654.34	5654.33	5654.05	5655.08	5655.15	5656.35	5655.52
24	5588.17	5586.98	5587.21	5586.20	5585.73	5586.57	5586.17	5587.08	5587.91	5587.85
25	5515.85	5515.28	5514.65	5514.18	5513.73	5514.68	5513.97	5515.92	5516.54	5515.79
26	5440.51	5438.82	5439.47	5437.32	5438.48	5438.88	5438.47	5439.43	5440.49	5440.02
27	5359.62	5358.24	5358.33	5357.96	5358.23	5358.90	5359.33	5360.14	5360.70	5360.48
28	5275.11	5273.61	5274.35	5274.40	5275.34	5276.26	5275.50	5276.36	5277.48	5276.21
29	5186.25	5183.69	5184.63	5185.19	5187.19	5187.20	5188.38	5188.30	5189.60	5187.52
30	5091.88	5089.75	5091.55	5091.85	5094.79	5095.43	5095.89	5095.85	5097.69	5093.95
31	4993.94	4991.32	4993.06	4994.58	4995.98	4996.67	4997.97	4998.03	4998.06	4997.15
32	4889.15	4887.29	4889.02	4889.16	4892.53	4893.09	4894.50	4895.19	4895.29	4893.40
33	4779.45	4777.14	4779.80	4780.59	4783.19	4783.82	4784.61	4784.48	4786.00	4783.84
34	4661.78	4660.59	4663.32	4663.78	4666.20	4667.95	4668.26	4668.82	4668.57	4666.48
35	4533.49	4533.32	4536.26	4538.78	4541.71	4542.12	4541.58	4543.45	4542.91	4538.69
36	4391.71	4391.33	4396.58	4400.15	4403.31	4403.52	4402.81	4402.94	4402.75	4397.13
37	4236.63	4236.51	4242.88	4246.95	4250.34	4248.94	4249.51	4249.82	4247.47	4241.36
38	4059.13	4061.48	4068.08	4075.70	4080.41	4077.64	4075.89	4075.13	4074.32	4066.87
39	3865.34	3865.51	3875.89	3882.14	3887.48	3884.76	3883.45	3880.40	3878.07	3867.14
40	3653.53	3654.85	3664.12	3671.01	3675.91	3674.73	3670.62	3670.20	3665.45	3655.27
41	3436.00	3439.16	3445.09	3448.64	3453.70	3454.47	3451.40	3447.59	3443.26	3432.22
42	3211.72	3214.89	3219.70	3224.20	3228.10	3229.45	3225.41	3221.12	3218.31	3209.89
43	2985.87	2987.87	2993.28	2993.89	2999.00	3000.39	2997.42	2990.12	2988.35	2978.88
44	2763.74	2768.68	2767.34	2767.69	2768.82	2773.71	2769.12	2763.42	2760.49	2757.01
45	2541.01	2547.94	2543.72	2544.37	2544.01	2550.26	2543.69	2538.90	2537.25	2536.21
46	2330.02	2331.86	2330.50	2327.03	2327.40	2329.23	2330.87	2323.47	2321.13	2321.72
47	2122.50	2124.74	2123.45	2122.37	2121.65	2121.79	2121.39	2116.03	2114.30	2116.46
48	1922.96	1926.27	1924.22	1921.77	1920.36	1921.29	1920.78	1916.81	1916.32	1920.59
49	1732.21	1735.16	1734.42	1731.71	1730.33	1730.69	1728.75	1726.80	1727.95	1731.28
50	1555.49	1557.57	1556.49	1554.70	1552.53	1551.34	1550.08	1549.03	1551.93	1555.37
51	1390.79	1391.26	1392.17	1389.21	1387.39	1386.91	1385.15	1384.86	1388.83	1391.91
52	1239.35	1249.03	1242.36	1246.97	1236.68	1242.10	1235.05	1234.54	1239.90	1243.52
53	1109.35	1110.03	1106.16	1109.59	1098.95	1105.82	1105.61	1105.13	1110.96	1109.77

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CANDELA TABULATION - (Cont.)

54	985.51	980.41	985.70	981.84	981.28	977.03	982.87	983.38	989.28	983.82
55	869.18	871.10	872.64	873.08	869.37	868.37	867.42	868.26	874.27	875.23
56	772.82	774.87	776.85	777.61	774.43	774.75	772.60	774.53	778.79	780.32
57	687.99	690.48	692.00	693.26	690.49	690.02	689.38	690.76	694.61	695.48
58	613.69	616.37	618.41	619.47	617.45	616.89	616.68	616.96	621.11	621.14
59	548.97	551.28	553.40	554.36	552.82	552.16	551.78	552.44	556.08	556.15
60	490.89	493.79	495.52	497.02	495.49	495.54	495.07	495.89	498.21	498.63
61	441.02	442.92	445.07	446.53	445.54	445.89	445.42	445.92	447.83	447.77
62	396.68	398.05	400.48	401.37	401.35	401.43	400.92	401.43	403.20	402.43
63	356.92	358.03	359.98	361.20	361.46	361.55	361.65	361.50	362.67	361.52
64	320.04	320.67	322.54	323.39	323.77	323.69	323.78	323.74	324.81	323.93
65	284.36	284.34	286.95	285.76	288.01	286.48	287.49	287.50	288.76	287.94
66	252.76	253.73	252.82	253.87	254.02	255.23	254.81	255.12	256.78	257.18
67	223.00	224.81	221.44	224.49	222.28	225.87	224.86	225.18	226.45	228.55
68	198.36	197.23	196.64	196.35	197.34	198.35	199.66	199.98	201.52	201.46
69	176.54	175.52	175.01	174.60	175.49	176.26	177.03	177.52	179.28	179.29
70	156.76	156.01	155.60	155.32	155.66	156.31	156.72	157.33	158.90	159.13
71	139.04	137.93	138.10	137.74	138.34	138.35	139.00	139.51	140.77	140.94
72	123.73	122.71	122.98	122.78	123.07	123.05	123.38	123.70	124.68	124.95
73	109.18	108.21	108.77	108.47	108.79	108.58	108.46	108.91	109.37	109.61
74	94.84	94.25	94.51	94.80	94.91	94.74	94.72	94.42	94.80	95.23
75	82.34	81.51	81.81	81.54	81.53	81.31	81.15	81.18	81.38	81.98
76	70.96	70.52	70.70	70.37	70.28	70.28	69.83	69.36	69.39	69.81
77	60.90	60.49	60.64	60.04	60.36	60.16	59.69	59.41	58.66	59.20
78	51.97	51.95	51.92	51.30	51.46	51.55	50.87	50.20	49.49	49.78
79	43.71	43.99	44.18	43.28	43.63	43.69	42.94	42.18	41.32	41.57
80	36.15	36.30	36.66	35.97	36.36	36.49	35.81	34.83	33.92	34.12
81	29.06	29.56	29.80	29.03	29.27	29.56	29.02	28.03	27.31	27.27
82	22.09	23.17	23.49	22.72	22.80	23.27	22.71	21.86	21.17	20.99
83	16.78	17.25	17.46	17.13	17.13	17.36	16.82	16.20	16.02	16.16
84	12.43	12.56	12.24	12.54	12.65	12.22	12.10	11.56	11.99	12.25
85	8.44	8.51	8.57	8.75	8.79	8.70	8.61	8.45	8.56	8.55
86	5.06	5.04	5.05	5.16	5.36	5.39	5.37	5.36	5.38	5.32
87	3.18	3.21	3.11	3.01	2.73	2.50	2.36	3.04	3.36	3.41
88	1.83	1.82	1.83	1.83	1.79	1.74	1.72	1.84	1.86	1.84
89	1.52	1.48	1.48	1.41	1.43	1.38	1.38	1.43	1.54	1.53
90	1.44	1.42	1.44	1.41	1.42	1.42	1.42	1.42	1.44	1.43

**Vert.
Angles**

Horizontal Angles

	150	165	180	195	210	225	240	255	270	285
0	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32	6379.32
1	6377.87	6378.10	6377.71	6378.10	6377.87	6377.66	6377.91	6377.76	6378.36	6377.70
2	6373.58	6374.06	6373.66	6374.06	6373.58	6373.85	6373.99	6374.14	6374.51	6373.38
3	6366.87	6366.87	6366.87	6366.87	6366.87	6367.28	6367.15	6367.82	6367.87	6367.13
4	6357.73	6358.09	6357.69	6358.09	6357.73	6357.68	6358.08	6358.49	6358.22	6357.96
5	6345.77	6345.72	6345.74	6345.72	6345.77	6346.03	6346.15	6346.33	6346.48	6346.05
6	6331.30	6331.28	6331.00	6331.28	6331.30	6331.53	6331.20	6331.71	6331.48	6331.20
7	6313.86	6314.48	6313.64	6314.48	6313.86	6314.18	6314.23	6314.21	6314.08	6313.91
8	6294.01	6294.64	6294.01	6294.64	6294.01	6294.00	6294.43	6294.09	6293.87	6293.83
9	6271.76	6271.80	6271.44	6271.80	6271.76	6271.89	6271.73	6271.47	6271.66	6271.13
10	6246.18	6246.16	6245.79	6246.16	6246.18	6246.46	6245.87	6245.95	6245.89	6245.45
11	6217.70	6217.90	6217.56	6217.90	6217.70	6218.02	6217.94	6217.60	6217.48	6217.10
12	6186.90	6186.85	6186.84	6186.85	6186.90	6187.42	6186.94	6186.46	6186.35	6185.67
13	6153.37	6153.27	6152.90	6153.27	6153.37	6153.43	6153.80	6153.39	6153.22	6152.62
14	6117.46	6117.18	6117.03	6117.18	6117.46	6117.47	6117.30	6117.28	6117.35	6116.12

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CANDELA TABULATION - (Cont.)

15	6078.95	6077.82	6077.45	6077.82	6078.95	6078.19	6078.18	6077.73	6077.71	6077.05
16	6036.66	6036.34	6035.98	6036.34	6036.66	6036.70	6035.97	6035.66	6036.41	6035.16
17	5991.74	5991.13	5991.60	5991.13	5991.74	5991.08	5990.97	5990.60	5991.25	5990.20
18	5943.87	5943.82	5943.19	5943.82	5943.87	5943.30	5943.34	5943.21	5943.62	5942.70
19	5893.28	5892.59	5892.95	5892.59	5893.28	5892.40	5892.02	5892.34	5891.99	5891.35
20	5838.85	5838.65	5838.94	5838.65	5838.85	5838.16	5837.94	5837.94	5837.48	5837.07
21	5782.62	5781.63	5781.62	5781.63	5782.62	5781.49	5780.95	5780.95	5780.41	5780.37
22	5721.11	5720.98	5720.73	5720.98	5721.11	5720.31	5720.50	5719.90	5719.01	5718.80
23	5657.01	5656.49	5656.24	5656.49	5657.01	5655.52	5656.35	5655.15	5655.08	5654.05
24	5588.24	5588.78	5588.17	5588.78	5588.24	5587.85	5587.91	5587.08	5586.17	5586.57
25	5517.33	5516.20	5515.85	5516.20	5517.33	5515.79	5516.54	5515.92	5513.97	5514.68
26	5441.47	5440.54	5440.51	5440.54	5441.47	5440.02	5440.49	5439.43	5438.47	5438.88
27	5361.52	5360.47	5359.62	5360.47	5361.52	5360.48	5360.70	5360.14	5359.33	5358.90
28	5276.81	5276.03	5275.11	5276.03	5276.81	5276.21	5277.48	5276.36	5275.50	5276.26
29	5189.39	5186.39	5186.25	5186.39	5189.39	5187.52	5189.60	5188.30	5188.38	5187.20
30	5097.17	5092.99	5091.88	5092.99	5097.17	5093.95	5097.69	5095.85	5095.89	5095.43
31	4998.34	4995.06	4993.94	4995.06	4998.34	4997.15	4998.06	4998.03	4997.97	4996.67
32	4895.66	4891.20	4889.15	4891.20	4895.66	4893.40	4895.29	4895.19	4894.50	4893.09
33	4785.29	4781.32	4779.45	4781.32	4785.29	4783.84	4786.00	4784.48	4784.61	4783.82
34	4668.24	4663.89	4661.78	4663.89	4668.24	4666.48	4668.57	4668.82	4668.26	4667.95
35	4540.25	4534.60	4533.49	4534.60	4540.25	4538.69	4542.91	4543.45	4541.58	4542.12
36	4397.63	4393.50	4391.71	4393.50	4397.63	4397.13	4402.75	4402.94	4402.81	4403.52
37	4240.18	4236.98	4236.63	4236.98	4240.18	4241.36	4247.47	4249.82	4249.51	4248.94
38	4064.26	4061.47	4059.13	4061.47	4064.26	4066.87	4074.32	4075.13	4075.89	4077.64
39	3868.77	3864.31	3865.34	3864.31	3868.77	3867.14	3878.07	3880.40	3883.45	3884.76
40	3656.91	3654.63	3653.53	3654.63	3656.91	3655.27	3665.45	3670.20	3670.62	3674.73
41	3437.29	3434.52	3436.00	3434.52	3437.29	3432.22	3443.26	3447.59	3451.40	3454.47
42	3213.90	3211.20	3211.72	3211.20	3213.90	3209.89	3218.31	3221.12	3225.41	3229.45
43	2985.78	2984.65	2985.87	2984.65	2985.78	2978.88	2988.35	2990.12	2997.42	3000.39
44	2761.97	2762.20	2763.74	2762.20	2761.97	2757.01	2760.49	2763.42	2769.12	2773.71
45	2539.24	2542.36	2541.01	2542.36	2539.24	2536.21	2537.25	2538.90	2543.69	2550.26
46	2326.15	2326.31	2330.02	2326.31	2326.15	2321.72	2321.13	2323.47	2330.87	2329.23
47	2120.63	2121.27	2122.50	2121.27	2120.63	2116.46	2114.30	2116.03	2121.39	2121.79
48	1922.30	1922.50	1922.96	1922.50	1922.30	1920.59	1916.32	1916.81	1920.78	1921.29
49	1733.69	1733.41	1732.21	1733.41	1733.69	1731.28	1727.95	1726.80	1728.75	1730.69
50	1556.14	1555.23	1555.49	1555.23	1556.14	1555.37	1551.93	1549.03	1550.08	1551.34
51	1392.06	1390.29	1390.79	1390.29	1392.06	1391.91	1388.83	1384.86	1385.15	1386.91
52	1242.52	1245.88	1239.35	1245.88	1242.52	1243.52	1239.90	1234.54	1235.05	1242.10
53	1111.92	1108.43	1109.35	1108.43	1111.92	1109.77	1110.96	1105.13	1105.61	1105.82
54	989.06	978.42	985.51	978.42	989.06	983.82	989.28	983.38	982.87	977.03
55	872.99	869.42	869.18	869.42	872.99	875.23	874.27	868.26	867.42	868.37
56	777.25	773.08	772.82	773.08	777.25	780.32	778.79	774.53	772.60	774.75
57	691.91	688.86	687.99	688.86	691.91	695.48	694.61	690.76	689.38	690.02
58	617.33	614.83	613.69	614.83	617.33	621.14	621.11	616.96	616.68	616.89
59	552.52	549.83	548.97	549.83	552.52	556.15	556.08	552.44	551.78	552.16
60	494.82	492.32	490.89	492.32	494.82	498.63	498.21	495.89	495.07	495.54
61	444.19	442.02	441.02	442.02	444.19	447.77	447.83	445.92	445.42	445.89
62	399.11	397.34	396.68	397.34	399.11	402.43	403.20	401.43	400.92	401.43
63	359.03	357.79	356.92	357.79	359.03	361.52	362.67	361.50	361.65	361.55
64	321.92	320.76	320.04	320.76	321.92	323.93	324.81	323.74	323.78	323.69
65	286.17	285.49	284.36	285.49	286.17	287.94	288.76	287.50	287.49	286.48
66	254.71	255.00	252.76	255.00	254.71	257.18	256.78	255.12	254.81	255.23
67	225.17	226.45	223.00	226.45	225.17	228.55	226.45	225.18	224.86	225.87
68	200.59	199.54	198.36	199.54	200.59	201.46	201.52	199.98	199.66	198.35
69	178.88	177.73	176.54	177.73	178.88	179.29	179.28	177.52	177.03	176.26
70	158.70	157.75	156.76	157.75	158.70	159.13	158.90	157.33	156.72	156.31

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CANDELA TABULATION - (Cont.)

71	140.76	139.65	139.04	139.65	140.76	140.94	140.77	139.51	139.00	138.35
72	125.08	124.24	123.73	124.24	125.08	124.95	124.68	123.70	123.38	123.05
73	110.26	109.51	109.18	109.51	110.26	109.61	109.37	108.91	108.46	108.58
74	95.78	95.70	94.84	95.70	95.78	95.23	94.80	94.42	94.72	94.74
75	82.68	82.75	82.34	82.75	82.68	81.98	81.38	81.18	81.15	81.31
76	70.84	71.45	70.96	71.45	70.84	69.81	69.39	69.36	69.83	70.28
77	60.36	61.07	60.90	61.07	60.36	59.20	58.66	59.41	59.69	60.16
78	51.36	52.07	51.97	52.07	51.36	49.78	49.49	50.20	50.87	51.55
79	42.94	43.92	43.71	43.92	42.94	41.57	41.32	42.18	42.94	43.69
80	35.46	36.14	36.15	36.14	35.46	34.12	33.92	34.83	35.81	36.49
81	28.49	29.03	29.06	29.03	28.49	27.27	27.31	28.03	29.02	29.56
82	21.91	22.30	22.09	22.30	21.91	20.99	21.17	21.86	22.71	23.27
83	16.29	16.34	16.78	16.34	16.29	16.16	16.02	16.20	16.82	17.36
84	11.76	11.76	12.43	11.76	11.76	12.25	11.99	11.56	12.10	12.22
85	8.27	8.19	8.44	8.19	8.27	8.55	8.56	8.45	8.61	8.70
86	5.11	5.09	5.06	5.09	5.11	5.32	5.38	5.36	5.37	5.39
87	3.13	3.21	3.18	3.21	3.13	3.41	3.36	3.04	2.36	2.50
88	1.82	1.82	1.83	1.82	1.82	1.84	1.86	1.84	1.72	1.74
89	1.49	1.47	1.52	1.47	1.49	1.53	1.54	1.43	1.38	1.38
90	1.43	1.42	1.44	1.42	1.43	1.43	1.44	1.42	1.42	1.42

Vert. Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	6379.32	6379.32	6379.32	6379.32	6379.32
1	6378.01	6377.70	6377.98	6377.53	6377.71
2	6373.57	6373.37	6373.79	6373.66	6373.66
3	6367.16	6366.88	6367.00	6367.08	6366.87
4	6357.92	6357.89	6358.15	6358.07	6357.69
5	6346.29	6346.08	6346.47	6346.02	6345.74
6	6331.85	6331.48	6331.64	6331.41	6331.00
7	6314.47	6313.72	6314.28	6313.80	6313.64
8	6294.60	6294.08	6293.91	6294.03	6294.01
9	6271.77	6271.32	6271.63	6271.26	6271.44
10	6245.93	6245.50	6245.96	6245.49	6245.79
11	6217.70	6217.11	6217.71	6217.27	6217.56
12	6186.68	6186.30	6186.49	6186.26	6186.84
13	6152.71	6152.63	6152.48	6152.36	6152.90
14	6116.08	6115.90	6116.02	6116.44	6117.03
15	6076.96	6076.68	6077.07	6076.80	6077.45
16	6035.45	6034.80	6034.73	6035.22	6035.98
17	5990.62	5989.90	5990.64	5989.97	5991.60
18	5942.68	5941.88	5942.44	5942.97	5943.19
19	5891.58	5891.56	5891.35	5891.62	5892.95
20	5837.60	5836.94	5837.26	5838.00	5838.94
21	5779.86	5779.58	5780.62	5780.75	5781.62
22	5718.81	5718.98	5719.81	5720.05	5720.73
23	5654.33	5654.34	5655.33	5655.67	5656.24
24	5585.73	5586.20	5587.21	5586.98	5588.17
25	5513.73	5514.18	5514.65	5515.28	5515.85
26	5438.48	5437.32	5439.47	5438.82	5440.51
27	5358.23	5357.96	5358.33	5358.24	5359.62
28	5275.34	5274.40	5274.35	5273.61	5275.11
29	5187.19	5185.19	5184.63	5183.69	5186.25
30	5094.79	5091.85	5091.55	5089.75	5091.88
31	4995.98	4994.58	4993.06	4991.32	4993.94

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CANDELA TABULATION - (Cont.)

32	4892.53	4889.16	4889.02	4887.29	4889.15
33	4783.19	4780.59	4779.80	4777.14	4779.45
34	4666.20	4663.78	4663.32	4660.59	4661.78
35	4541.71	4538.78	4536.26	4533.32	4533.49
36	4403.31	4400.15	4396.58	4391.33	4391.71
37	4250.34	4246.95	4242.88	4236.51	4236.63
38	4080.41	4075.70	4068.08	4061.48	4059.13
39	3887.48	3882.14	3875.89	3865.51	3865.34
40	3675.91	3671.01	3664.12	3654.85	3653.53
41	3453.70	3448.64	3445.09	3439.16	3436.00
42	3228.10	3224.20	3219.70	3214.89	3211.72
43	2999.00	2993.89	2993.28	2987.87	2985.87
44	2768.82	2767.69	2767.34	2768.68	2763.74
45	2544.01	2544.37	2543.72	2547.94	2541.01
46	2327.40	2327.03	2330.50	2331.86	2330.02
47	2121.65	2122.37	2123.45	2124.74	2122.50
48	1920.36	1921.77	1924.22	1926.27	1922.96
49	1730.33	1731.71	1734.42	1735.16	1732.21
50	1552.53	1554.70	1556.49	1557.57	1555.49
51	1387.39	1389.21	1392.17	1391.26	1390.79
52	1236.68	1246.97	1242.36	1249.03	1239.35
53	1098.95	1109.59	1106.16	1110.03	1109.35
54	981.28	981.84	985.70	980.41	985.51
55	869.37	873.08	872.64	871.10	869.18
56	774.43	777.61	776.85	774.87	772.82
57	690.49	693.26	692.00	690.48	687.99
58	617.45	619.47	618.41	616.37	613.69
59	552.82	554.36	553.40	551.28	548.97
60	495.49	497.02	495.52	493.79	490.89
61	445.54	446.53	445.07	442.92	441.02
62	401.35	401.37	400.48	398.05	396.68
63	361.46	361.20	359.98	358.03	356.92
64	323.77	323.39	322.54	320.67	320.04
65	288.01	285.76	286.95	284.34	284.36
66	254.02	253.87	252.82	253.73	252.76
67	222.28	224.49	221.44	224.81	223.00
68	197.34	196.35	196.64	197.23	198.36
69	175.49	174.60	175.01	175.52	176.54
70	155.66	155.32	155.60	156.01	156.76
71	138.34	137.74	138.10	137.93	139.04
72	123.07	122.78	122.98	122.71	123.73
73	108.79	108.47	108.77	108.21	109.18
74	94.91	94.80	94.51	94.25	94.84
75	81.53	81.54	81.81	81.51	82.34
76	70.28	70.37	70.70	70.52	70.96
77	60.36	60.04	60.64	60.49	60.90
78	51.46	51.30	51.92	51.95	51.97
79	43.63	43.28	44.18	43.99	43.71
80	36.36	35.97	36.66	36.30	36.15
81	29.27	29.03	29.80	29.56	29.06
82	22.80	22.72	23.49	23.17	22.09
83	17.13	17.13	17.46	17.25	16.78
84	12.65	12.54	12.24	12.56	12.43
85	8.79	8.75	8.57	8.51	8.44
86	5.36	5.16	5.05	5.04	5.06
87	2.73	3.01	3.11	3.21	3.18

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CANDELA TABULATION - (Cont.)

88	1.79	1.83	1.83	1.82	1.83
89	1.43	1.41	1.48	1.48	1.52
90	1.42	1.41	1.44	1.42	1.44

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2315.77	21.40	21.40
0-30	4850.29	44.80	44.80
0-40	7649.26	70.60	70.60
0-60	10434.08	96.30	96.30
0-80	10820.76	99.90	99.90
0-90	10833.66	100.00	100.00
10-90	10231.06	94.40	94.40
20-40	5333.49	49.20	49.20
20-50	7297.59	67.40	67.40
40-70	3080.01	28.40	28.40
60-80	386.67	3.60	3.60
70-80	91.49	0.80	0.80
80-90	12.90	0.10	0.10
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	10833.66	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	602.59
10-20	1713.18
20-30	2534.53
30-40	2798.96
40-50	1964.1
50-60	820.73
60-70	295.18
70-80	91.49
80-90	12.90
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

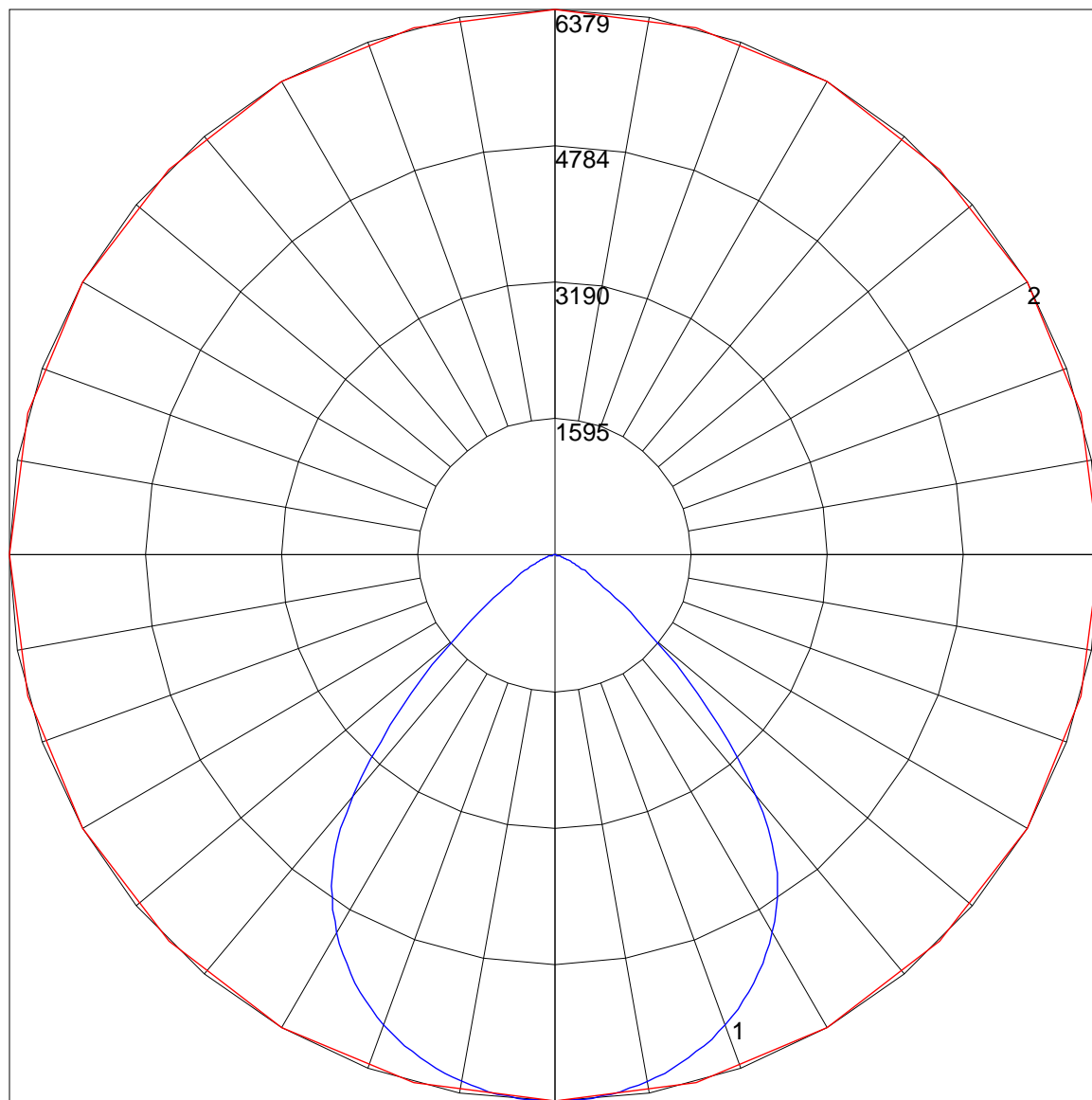
IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVLOWT50WBD120-277V.IES

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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 6379.32 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.)