Williams

H. E. WILLIAMS, INC.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLV-L-L7-AMB-O-WHT-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #15351604.04
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 8/5/2024
[TESTDATE] 6/25/2024
[MANUFAC] H E WILLIAMS INC
[LUMCAT] NLV-L-L7/AMB-O-WH-DIM-UNV
[LUMINAIRE] White recessed housing with diffuser
[LAMP] 48 AMBER LEDs
[BALLAST] OSRAM/ELDOLED OSRAM OTI25W
[OTHER] 25.7 C, 119.926 V, 0.128256 A, 14.9507 W, 0.972818 PF, 59.9698
[MORE] Hz
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	596
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	16.2
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

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

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473
0.5	0.294	0.375	0.498	0.596	0.628	0.596	0.498	0.359	0.253
1.0	0.530	0.547	0.563	0.596	0.628	0.596	0.498	0.359	0.253
1.5	0.987	0.963	0.775	0.620	0.628	0.596	0.498	0.359	0.253
2.0	1.493	1.452	1.118	0.685	0.628	0.596	0.498	0.359	0.253
2.5	2.032	1.934	1.485	0.816	0.620	0.588	0.498	0.359	0.245
3.0	2.668	2.472	1.869	0.971	0.628	0.588	0.498	0.351	0.237
3.5	3.386	3.109	2.268	1.151	0.620	0.588	0.490	0.343	0.237
4.0	4.227	3.794	2.701	1.355	0.628	0.588	0.490	0.343	0.228
4.5	5.165	4.578	3.199	1.550	0.628	0.588	0.490	0.343	0.228
5.0	6.144	5.443	3.737	1.746	0.628	0.588	0.490	0.343	0.228
5.5	7.262	6.389	4.317	1.967	0.628	0.588	0.490	0.343	0.228
6.0	8.437	7.401	4.978	2.195	0.628	0.588	0.490	0.343	0.228
6.5	9.670	8.470	5.679	2.440	0.636	0.588	0.490	0.343	0.228
7.0	11.008	9.604	6.381	2.693	0.645	0.588	0.481	0.335	0.228
7.5	12.379	10.788	7.140	2.954	0.645	0.588	0.490	0.335	0.220
8.0	13.799	12.044	7.940	3.223	0.661	0.588	0.490	0.335	0.220
8.5	15.259	13.333	8.788	3.509	0.669	0.588	0.490	0.335	0.220
9.0	16.728	14.672	9.653	3.819	0.685	0.588	0.490	0.335	0.228
9.5	18.262	16.018	10.543	4.145	0.702	0.596	0.490	0.343	0.228
10.0	19.878	17.405	11.481	4.472	0.718	0.604	0.490	0.343	0.237
10.5	21.493	18.866	12.452	4.823	0.751	0.604	0.498	0.351	0.245
11.0	23.142	20.359	13.407	5.198	0.767	0.612	0.506	0.359	0.261
11.5	24.798	21.861	14.411	5.549	0.800	0.620	0.514	0.367	0.277
12.0	26.471	23.387	15.471	5.940	0.840	0.628	0.522	0.375	0.302
12.5	28.176	24.864	16.524	6.348	0.865	0.636	0.539	0.392	0.326
13.0	29.890	26.406	17.560	6.765	0.906	0.653	0.547	0.400	0.351
13.5	31.620	27.997	18.629	7.189	0.947	0.661	0.555	0.408	0.375
14.0	33.334	29.547	19.731	7.605	0.979	0.669	0.563	0.424	0.400
14.5	35.080	31.122	20.832	8.046	1.020	0.677	0.571	0.432	0.424
15.0	36.818	32.722	21.950	8.486	1.044	0.685	0.579	0.441	0.441
15.5	38.540	34.321	23.068	8.927	1.077	0.685	0.588	0.457	0.457
16.0	40.294	35.953	24.227	9.408	1.102	0.694	0.588	0.457	0.473
16.5	42.130	37.569	25.410	9.874	1.134	0.694	0.596	0.465	0.506
17.0	43.917	39.160	26.553	10.339	1.159	0.694	0.596	0.481	0.547
17.5	45.778	40.792	27.728	10.828	1.191	0.694	0.596	0.506	0.588
18.0	47.614	42.465	28.911	11.302	1.216	0.685	0.604	0.539	0.661
18.5	49.425	44.097	30.102	11.791	1.240	0.685	0.604	0.555	0.702
19.0	51.163	45.761	31.277	12.297	1.265	0.685	0.612	0.596	0.653
19.5	53.007	47.442	32.501	12.795	1.289	0.685	0.612	0.604	0.669
20.0	54.794	49.074	33.693	13.301	1.306	0.677	0.604	0.604	0.669
20.5	56.639	50.665	34.860	13.807	1.306	0.653	0.596	0.596	0.604
21.0	58.499	52.289	36.051	14.296	1.306	0.628	0.579	0.571	0.555
21.5	60.368	53.913	37.283	14.794	1.297	0.596	0.563	0.547	0.498
22.0	62.212	55.553	38.483	15.316	1.306	0.588	0.571	0.539	0.473
22.5	64.154	57.202	39.690	15.847	1.330	0.588	0.579	0.547	0.473
23.0	66.014	58.866	40.890	16.393	1.346	0.588	0.596	0.547	0.473
23.5	67.777	60.506	42.114	16.956	1.379	0.588	0.604	0.555	0.481
24.0	69.368	62.212	43.338	17.503	1.404	0.588	0.604	0.555	0.506
24.5	71.155	63.836	44.537	18.042	1.428	0.588	0.612	0.555	0.522
25.0	72.844	65.443	45.712	18.588	1.452	0.588	0.620	0.555	0.669
25.5	74.680	67.124	46.904	19.135	1.477	0.588	0.636	0.563	0.620
26.0	76.378	68.740	48.103	19.682	1.510	0.588	0.645	0.579	0.506
26.5	78.067	70.323	49.270	20.245	1.534	0.596	0.653	0.571	0.490

CANDELA TABULATION - (Cont.)

27.0	79.797	71.930	50.510	20.808	1.559	0.596	0.661	0.571	0.481
27.5	81.592	73.522	51.702	21.363	1.591	0.596	0.669	0.571	0.481
28.0	83.314	75.121	52.901	21.910	1.616	0.596	0.677	0.563	0.481
28.5	85.109	76.728	54.109	22.481	1.648	0.596	0.685	0.563	0.473
29.0	86.822	78.295	55.292	23.068	1.681	0.604	0.685	0.563	0.473
29.5	88.618	79.895	56.500	23.631	1.705	0.604	0.694	0.555	0.522
30.0	90.331	81.437	57.789	24.194	1.738	0.604	0.694	0.555	0.539
30.5	92.045	82.987	59.005	24.757	1.771	0.604	0.734	0.555	0.710
31.0	93.758	84.538	60.196	25.320	1.795	0.612	0.726	0.555	0.596
31.5	95.472	86.088	61.396	25.908	1.836	0.612	0.702	0.563	0.465
32.0	97.186	87.638	62.555	26.479	1.860	0.620	0.702	0.563	0.457
32.5	98.899	89.189	63.762	27.050	1.901	0.628	0.702	0.555	0.457
33.0	100.531	90.739	64.937	27.605	1.926	0.636	0.702	0.555	0.457
33.5	102.163	92.290	66.104	28.160	1.958	0.645	0.702	0.555	0.457
34.0	103.795	93.677	67.279	28.731	1.999	0.645	0.702	0.555	0.457
34.5	105.346	95.227	68.422	29.294	2.024	0.653	0.702	0.555	0.449
35.0	106.896	96.696	69.597	29.874	2.064	0.677	0.710	0.555	0.449
35.5	108.528	98.165	70.731	30.445	2.097	0.669	0.775	0.555	0.449
36.0	110.160	99.634	71.906	31.008	2.130	0.669	0.767	0.555	0.449
36.5	111.710	101.102	73.048	31.571	2.171	0.669	0.718	0.555	0.449
37.0	113.261	102.571	74.142	32.118	2.203	0.669	0.718	0.555	0.457
37.5	114.730	103.958	75.235	32.673	2.236	0.669	0.694	0.555	0.490
38.0	116.280	105.427	76.345	33.244	2.268	0.669	0.694	0.555	0.498
38.5	117.830	106.814	77.414	33.782	2.301	0.669	0.694	0.555	0.571
39.0	119.381	108.202	78.540	34.329	2.342	0.669	0.685	0.555	0.645
39.5	120.850	109.589	79.560	34.884	2.375	0.677	0.685	0.555	0.555
40.0	122.318	110.976	80.604	35.423	2.407	0.677	0.685	0.563	0.465
40.5	123.869	112.363	81.682	35.969	2.448	0.677	0.685	0.563	0.465
41.0	125.338	113.669	82.661	36.500	2.481	0.685	0.685	0.571	0.473
41.5	126.725	115.056	83.722	37.038	2.513	0.685	0.685	0.579	0.473
42.0	128.194	116.362	84.782	37.585	2.554	0.685	0.718	0.579	0.473
42.5	129.581	117.667	85.762	38.132	2.587	0.685	0.767	0.588	0.481
43.0	131.050	118.973	86.822	38.662	2.628	0.685	0.694	0.596	0.490
43.5	132.437	120.278	87.883	39.192	2.660	0.726	0.694	0.604	0.506
44.0	133.824	121.584	88.862	39.731	2.701	0.865	0.694	0.612	0.514
44.5	135.211	122.890	89.923	40.270	2.742	0.726	0.694	0.620	0.522
45.0	136.598	124.195	90.902	40.776	2.774	0.702	0.718	0.628	0.522
45.5	137.986	125.501	91.882	41.290	2.815	0.702	0.734	0.636	0.530
46.0	139.291	126.725	92.861	41.812	2.856	0.710	0.734	0.636	0.571
46.5	140.678	127.949	93.922	42.334	2.889	0.718	0.743	0.636	0.588
47.0	141.984	129.173	94.901	42.840	2.938	0.726	0.743	0.645	0.539
47.5	143.290	130.397	95.798	43.330	2.978	0.726	0.751	0.653	0.514
48.0	144.595	131.621	96.778	43.844	3.011	0.734	0.751	0.661	0.514
48.5	145.819	132.845	97.675	44.333	3.044	0.734	0.759	0.661	0.506
49.0	147.125	133.987	98.654	44.831	3.084	0.743	0.759	0.661	0.506
49.5	148.430	135.211	99.634	45.337	3.125	0.751	0.767	0.661	0.506
50.0	149.654	136.354	100.531	45.810	3.166	0.808	0.767	0.661	0.498
50.5	150.960	137.578	101.429	46.300	3.199	0.898	0.783	0.661	0.490
51.0	152.102	138.720	102.326	46.798	3.240	0.824	0.800	0.661	0.490
51.5	153.326	139.862	103.142	47.255	3.280	0.767	0.800	0.661	0.481
52.0	154.469	140.923	104.040	47.728	3.321	0.767	0.792	0.669	0.481
52.5	155.611	142.066	104.938	48.234	3.362	0.767	0.792	0.661	0.473
53.0	156.754	143.208	105.835	48.715	3.395	0.767	0.800	0.661	0.465
53.5	157.896	144.269	106.651	49.205	3.444	0.767	0.800	0.661	0.465
54.0	159.038	145.330	107.467	49.662	3.476	0.775	0.800	0.661	0.465
54.5	160.262	146.390	108.283	50.094	3.517	0.775	0.808	0.653	0.465

CANDELA TABULATION - (Cont.)

55.0	161.405	147.451	109.099	50.551	3.566	0.783	0.808	0.653	0.457
55.5	162.466	148.512	109.915	51.000	3.599	0.783	0.808	0.653	0.457
56.0	163.526	149.573	110.731	51.441	3.639	0.792	0.808	0.653	0.449
56.5	164.669	150.552	111.547	51.898	3.680	0.792	0.816	0.653	0.449
57.0	165.730	151.613	112.363	52.330	3.713	0.800	0.816	0.645	0.449
57.5	166.790	152.592	113.179	52.738	3.754	0.808	0.824	0.645	0.449
58.0	167.851	153.490	113.914	53.138	3.794	0.832	0.824	0.636	0.449
58.5	168.994	154.469	114.566	53.546	3.835	0.955	0.840	0.645	0.481
59.0	169.973	155.448	115.301	53.970	3.909	0.930	0.865	0.669	0.539
59.5	171.034	156.264	116.035	54.386	3.974	0.906	0.906	0.702	0.604
60.0	172.176	157.162	116.770	54.786	4.031	0.930	0.922	0.710	0.645
60.5	173.155	158.059	117.422	55.153	4.072	0.938	0.930	0.710	0.645
61.0	174.216	158.875	118.075	55.512	4.096	0.947	0.930	0.702	0.645
61.5	175.195	159.691	118.728	55.880	4.137	0.955	0.930	0.702	0.636
62.0	176.174	160.589	119.381	56.255	4.178	0.963	0.930	0.694	0.636
62.5	177.072	161.405	120.034	56.630	4.202	0.971	0.930	0.685	0.636
63.0	178.051	162.221	120.686	56.989	4.251	0.979	0.930	0.685	0.636
63.5	178.867	163.037	121.258	57.348	4.284	0.996	0.930	0.677	0.636
64.0	179.846	163.853	121.910	57.708	4.325	1.004	0.922	0.677	0.636
64.5	180.581	164.669	122.563	58.058	4.366	0.996	0.922	0.677	0.636
65.0	181.315	165.403	123.134	58.409	4.390	0.996	0.922	0.685	0.636
65.5	182.050	166.219	123.787	58.744	4.431	0.996	0.922	0.685	0.636
66.0	182.784	166.872	124.358	59.062	4.464	1.004	0.914	0.685	0.628
66.5	183.437	167.606	124.848	59.388	4.496	1.004	0.914	0.677	0.628
67.0	184.090	168.259	125.419	59.690	4.529	1.004	0.914	0.677	0.620
67.5	184.824	168.912	125.909	59.992	4.553	1.004	0.914	0.669	0.604
68.0	185.395	169.565	126.398	60.286	4.586	1.004	0.906	0.661	0.588
68.5	186.048	170.218	126.888	60.572	4.610	0.996	0.906	0.653	0.563
69.0	186.782	170.789	127.378	60.857	4.627	0.996	0.898	0.645	0.539
69.5	187.354	171.523	127.949	61.151	4.651	0.987	0.881	0.636	0.514
70.0	188.006	172.094	128.438	61.428	4.668	0.979	0.873	0.628	0.498
70.5	188.659	172.747	128.928	61.706	4.692	0.971	0.865	0.628	0.481
71.0	189.312	173.400	129.418	61.975	4.716	0.963	0.857	0.620	0.465
71.5	189.965	173.971	129.907	62.236	4.733	0.963	0.849	0.620	0.449
72.0	190.699	174.624	130.397	62.538	4.757	0.955	0.840	0.620	0.441
72.5	191.352	175.195	130.886	62.824	4.782	0.955	0.832	0.620	0.441
73.0	192.086	175.848	131.376	63.069	4.806	0.955	0.832	0.628	0.432
73.5	192.658	176.419	131.784	63.338	4.831	0.955	0.832	0.628	0.432
74.0	193.229	176.990	132.192	63.591	4.863	0.955	0.832	0.628	0.432
74.5	193.882	177.562	132.682	63.795	4.888	0.955	0.832	0.620	0.441
75.0	194.290	178.133	133.008	64.015	4.920	0.963	0.832	0.620	0.465
75.5	194.779	178.459	133.416	64.211	4.953	0.963	0.840	0.636	0.522
76.0	195.269	178.949	133.742	64.415	4.978	0.971	0.849	0.661	0.588
76.5	195.677	179.275	133.987	64.586	5.002	0.971	0.865	0.677	0.645
77.0	196.003	179.683	134.314	64.774	5.027	0.979	0.873	0.718	0.685
77.5	196.248	179.928	134.558	64.954	5.051	0.979	0.889	0.767	0.710
78.0	196.656	180.173	134.803	65.100	5.076	0.971	0.906	0.775	0.677
78.5	197.064	180.499	135.048	65.239	5.100	0.955	0.906	0.759	0.636
79.0	197.390	180.826	135.293	65.378	5.116	0.947	0.889	0.734	0.588
79.5	197.798	181.070	135.456	65.508	5.141	0.947	0.881	0.702	0.555
80.0	198.206	181.397	135.701	65.664	5.165	0.947	0.865	0.685	0.530
80.5	198.614	181.642	135.946	65.794	5.182	0.955	0.857	0.685	0.522
81.0	199.022	181.968	136.190	65.916	5.206	0.963	0.881	0.685	0.522
81.5	199.430	182.213	136.435	66.039	5.231	0.971	0.889	0.694	0.530
82.0	199.757	182.539	136.598	66.178	5.247	0.996	0.889	0.702	0.547
82.5	200.083	182.784	136.762	66.292	5.271	1.004	0.881	0.702	0.563

CANDELA TABULATION - (Cont.)

83.0	200.328	182.947	137.006	66.422	5.288	0.996	0.873	0.702	0.588
83.5	200.491	183.192	137.170	66.528	5.312	0.996	0.873	0.702	0.612
84.0	200.491	183.355	137.251	66.643	5.328	0.987	0.873	0.702	0.636
84.5	200.491	183.437	137.414	66.732	5.353	0.979	0.873	0.694	0.645
85.0	200.573	183.600	137.496	66.814	5.369	0.979	0.881	0.685	0.653
85.5	200.410	183.682	137.578	66.879	5.386	0.987	0.881	0.677	0.653
86.0	200.410	183.763	137.659	66.953	5.394	0.987	0.881	0.669	0.653
86.5	200.491	183.845	137.741	67.034	5.402	0.996	0.889	0.661	0.645
87.0	200.410	184.008	137.822	67.108	5.418	0.996	0.889	0.653	0.628
87.5	200.573	184.090	137.986	67.189	5.426	0.996	0.898	0.645	0.612
88.0	200.654	184.253	138.149	67.263	5.435	0.996	0.898	0.645	0.588
88.5	200.736	184.416	138.230	67.336	5.443	0.996	0.898	0.645	0.563
89.0	200.818	184.579	138.394	67.410	5.451	1.020	0.906	0.636	0.539
89.5	201.062	184.742	138.475	67.475	5.459	1.004	0.922	0.636	0.522
90.0	201.144	184.824	138.557	67.540	5.467	0.987	0.914	0.645	0.506
90.5	201.307	184.906	138.638	67.597	5.475	0.987	0.898	0.645	0.522
91.0	201.389	184.987	138.638	67.614	5.484	0.987	0.906	0.645	0.547
91.5	201.307	184.906	138.557	67.606	5.492	0.979	0.881	0.628	0.506
92.0	201.226	184.824	138.557	67.581	5.500	0.979	0.865	0.604	0.473
92.5	201.062	184.742	138.475	67.565	5.500	0.971	0.857	0.596	0.457
93.0	200.981	184.661	138.394	67.540	5.508	0.971	0.849	0.604	0.457
93.5	200.818	184.498	138.312	67.483	5.508	0.971	0.840	0.604	0.465
94.0	200.654	184.334	138.230	67.418	5.508	0.963	0.832	0.604	0.473
94.5	200.491	184.253	138.067	67.361	5.516	0.963	0.832	0.612	0.490
95.0	200.246	184.008	137.904	67.304	5.516	0.955	0.824	0.612	0.506
95.5	200.083	183.845	137.822	67.255	5.524	0.955	0.832	0.612	0.530
96.0	199.920	183.763	137.659	67.206	5.524	0.947	0.832	0.604	0.547
96.5	199.757	183.600	137.578	67.157	5.524	0.947	0.832	0.596	0.555
97.0	199.594	183.437	137.496	67.100	5.524	0.947	0.824	0.588	0.563
97.5	199.349	183.192	137.333	67.018	5.524	0.938	0.816	0.588	0.563
98.0	199.104	183.029	137.170	66.945	5.524	0.938	0.816	0.588	0.555
98.5	198.859	182.784	137.006	66.871	5.524	0.938	0.808	0.579	0.530
99.0	198.533	182.539	136.843	66.773	5.524	0.930	0.800	0.579	0.506
99.5	198.288	182.294	136.598	66.684	5.524	0.930	0.792	0.571	0.481
100.0	197.962	182.050	136.435	66.586	5.516	0.922	0.783	0.563	0.449
100.5	197.635	181.723	136.190	66.480	5.508	0.922	0.775	0.555	0.424
101.0	197.309	181.478	136.027	66.373	5.500	0.914	0.775	0.539	0.400
101.5	196.982	181.152	135.782	66.243	5.492	0.906	0.767	0.530	0.384
102.0	196.656	180.907	135.538	66.096	5.484	0.906	0.767	0.514	0.375
102.5	196.330	180.581	135.293	65.990	5.475	0.898	0.759	0.506	0.367
103.0	196.003	180.173	135.048	65.843	5.459	0.889	0.759	0.498	0.359
103.5	195.677	179.846	134.722	65.696	5.443	0.889	0.751	0.490	0.359
104.0	195.269	179.520	134.477	65.549	5.435	0.881	0.743	0.490	0.351
104.5	194.861	179.112	134.232	65.394	5.426	0.873	0.743	0.481	0.343
105.0	194.453	178.704	133.906	65.231	5.426	0.865	0.734	0.481	0.335
105.5	193.963	178.296	133.579	65.060	5.418	0.865	0.726	0.473	0.326
106.0	193.474	177.888	133.253	64.905	5.418	0.857	0.726	0.465	0.318
106.5	192.984	177.480	132.845	64.733	5.410	0.849	0.718	0.465	0.310
107.0	192.494	176.990	132.518	64.546	5.402	0.849	0.710	0.457	0.302
107.5	191.923	176.501	132.192	64.366	5.386	0.840	0.710	0.457	0.302
108.0	191.352	176.011	131.784	64.195	5.369	0.832	0.702	0.457	0.302
108.5	190.862	175.522	131.458	63.999	5.361	0.832	0.694	0.449	0.302
109.0	190.210	174.950	131.050	63.795	5.345	0.824	0.694	0.449	0.302
109.5	189.557	174.461	130.642	63.583	5.328	0.816	0.685	0.449	0.302
110.0	188.904	173.808	130.234	63.371	5.312	0.816	0.685	0.441	0.302
110.5	188.088	173.237	129.826	63.134	5.296	0.808	0.677	0.441	0.302

CANDELA TABULATION - (Cont.)

111.0	187.598	172.666	129.336	62.897	5.288	0.800	0.677	0.432	0.294
111.5	186.782	172.013	128.846	62.652	5.288	0.800	0.669	0.432	0.294
112.0	186.048	171.360	128.357	62.375	5.280	0.792	0.669	0.432	0.286
112.5	185.314	170.707	127.786	62.114	5.271	0.783	0.661	0.424	0.277
113.0	184.579	169.973	127.296	61.828	5.255	0.783	0.661	0.424	0.277
113.5	183.845	169.320	126.725	61.518	5.263	0.775	0.653	0.424	0.269
114.0	183.110	168.586	126.235	61.249	5.255	0.767	0.645	0.416	0.261
114.5	182.294	167.851	125.664	60.963	5.255	0.759	0.645	0.416	0.253
115.0	181.560	167.198	125.093	60.678	5.247	0.751	0.636	0.408	0.253
115.5	180.662	166.464	124.522	60.384	5.222	0.751	0.628	0.408	0.245
116.0	179.928	165.730	123.950	60.082	5.190	0.743	0.628	0.408	0.245
116.5	179.112	164.995	123.379	59.780	5.173	0.734	0.620	0.400	0.245
117.0	178.296	164.179	122.726	59.470	5.149	0.726	0.612	0.400	0.237
117.5	177.480	163.445	122.155	59.168	5.116	0.718	0.612	0.400	0.237
118.0	176.664	162.710	121.584	58.866	5.076	0.710	0.604	0.392	0.237
118.5	175.685	161.894	120.850	58.540	5.018	0.710	0.596	0.392	0.228
119.0	174.706	160.997	120.197	58.197	4.986	0.702	0.596	0.392	0.228
119.5	173.726	160.099	119.462	57.871	4.945	0.694	0.588	0.384	0.228
120.0	172.666	159.202	118.810	57.528	4.904	0.685	0.588	0.384	0.220
120.5	171.523	158.304	118.075	57.153	4.888	0.677	0.579	0.384	0.220
121.0	170.462	157.406	117.422	56.785	4.855	0.677	0.579	0.375	0.220
121.5	169.402	156.427	116.688	56.410	4.823	0.669	0.571	0.375	0.212
122.0	168.259	155.448	115.954	56.027	4.798	0.661	0.571	0.375	0.212
122.5	167.198	154.469	115.219	55.643	4.757	0.661	0.563	0.367	0.212
123.0	166.138	153.571	114.485	55.243	4.733	0.653	0.563	0.367	0.212
123.5	165.158	152.592	113.750	54.843	4.700	0.645	0.555	0.367	0.204
124.0	164.098	151.613	113.016	54.460	4.668	0.645	0.547	0.367	0.204
124.5	162.955	150.552	112.282	54.044	4.643	0.636	0.547	0.359	0.196
125.0	161.894	149.573	111.547	53.619	4.610	0.628	0.547	0.359	0.196
125.5	160.834	148.512	110.731	53.211	4.586	0.628	0.539	0.359	0.196
126.0	159.610	147.614	109.915	52.779	4.553	0.620	0.539	0.359	0.188
126.5	158.549	146.554	109.181	52.371	4.521	0.620	0.530	0.351	0.188
127.0	157.325	145.493	108.365	51.947	4.488	0.612	0.530	0.351	0.188
127.5	156.182	144.350	107.630	51.530	4.455	0.612	0.522	0.351	0.180
128.0	155.040	143.371	106.814	51.114	4.423	0.604	0.522	0.343	0.180
128.5	153.734	142.310	105.998	50.682	4.382	0.596	0.514	0.343	0.180
129.0	152.592	141.250	105.182	50.257	4.349	0.596	0.514	0.343	0.171
129.5	151.368	140.189	104.448	49.833	4.317	0.588	0.506	0.343	0.171
130.0	150.062	139.128	103.632	49.409	4.284	0.588	0.506	0.343	0.171
130.5	148.920	138.067	102.816	48.968	4.251	0.579	0.498	0.343	0.171
131.0	147.696	137.006	101.918	48.519	4.219	0.579	0.498	0.335	0.163
131.5	146.554	135.864	101.102	47.997	4.194	0.571	0.498	0.335	0.163
132.0	145.330	134.803	100.286	47.532	4.162	0.571	0.490	0.335	0.163
132.5	144.024	133.661	99.389	47.075	4.137	0.571	0.490	0.335	0.163
133.0	142.800	132.518	98.491	46.610	4.104	0.563	0.481	0.335	0.163
133.5	141.494	131.376	97.594	46.137	4.072	0.563	0.481	0.326	0.163
134.0	140.189	130.234	96.696	45.655	4.047	0.555	0.481	0.326	0.155
134.5	138.883	129.010	95.635	45.182	4.015	0.555	0.473	0.326	0.155
135.0	137.496	127.786	94.738	44.668	3.982	0.547	0.473	0.326	0.155
135.5	136.190	126.562	93.758	44.162	3.958	0.547	0.473	0.318	0.155
136.0	134.885	125.338	92.779	43.680	3.917	0.547	0.465	0.318	0.155
136.5	133.416	124.032	91.800	43.166	3.884	0.539	0.465	0.318	0.155
137.0	132.029	122.726	90.821	42.669	3.852	0.539	0.465	0.318	0.147
137.5	130.723	121.421	89.842	42.163	3.811	0.530	0.457	0.310	0.147
138.0	129.254	120.115	88.781	41.640	3.786	0.530	0.457	0.310	0.147
138.5	127.786	118.728	87.720	41.118	3.754	0.530	0.449	0.310	0.147

CANDELA TABULATION - (Cont.)

139.0	126.317	117.422	86.659	40.572	3.713	0.522	0.449	0.310	0.147
139.5	124.766	116.035	85.598	40.066	3.688	0.522	0.449	0.310	0.139
140.0	123.298	114.566	84.619	39.535	3.656	0.522	0.441	0.310	0.139
140.5	121.829	113.179	83.477	38.988	3.615	0.514	0.441	0.302	0.139
141.0	120.278	111.874	82.416	38.442	3.582	0.514	0.441	0.302	0.139
141.5	118.728	110.486	81.282	37.887	3.541	0.514	0.441	0.302	0.131
142.0	117.178	109.018	80.164	37.324	3.501	0.506	0.432	0.302	0.131
142.5	115.709	107.630	79.079	36.769	3.460	0.506	0.432	0.294	0.131
143.0	114.158	106.162	77.985	36.214	3.419	0.506	0.432	0.294	0.131
143.5	112.608	104.693	76.875	35.659	3.378	0.498	0.424	0.294	0.122
144.0	111.139	103.224	75.782	35.088	3.337	0.498	0.424	0.286	0.122
144.5	109.589	101.837	74.697	34.533	3.297	0.498	0.424	0.286	0.122
145.0	108.038	100.450	73.595	33.962	3.256	0.498	0.424	0.286	0.122
145.5	106.406	98.981	72.420	33.383	3.215	0.498	0.424	0.286	0.122
146.0	104.938	97.594	71.286	32.795	3.166	0.498	0.416	0.277	0.122
146.5	103.469	96.125	70.168	32.216	3.125	0.498	0.416	0.277	0.114
147.0	101.837	94.738	69.050	31.628	3.084	0.498	0.416	0.277	0.114
147.5	100.205	93.269	67.916	31.024	3.044	0.490	0.416	0.277	0.114
148.0	98.573	91.800	66.830	30.420	3.003	0.490	0.408	0.277	0.114
148.5	96.941	90.250	65.680	29.808	2.970	0.490	0.408	0.269	0.114
149.0	95.390	88.862	64.562	29.213	2.921	0.481	0.408	0.269	0.106
149.5	93.758	87.394	63.444	28.576	2.880	0.481	0.408	0.269	0.106
150.0	92.126	85.843	62.285	27.924	2.840	0.481	0.408	0.269	0.106
150.5	90.494	84.293	61.127	27.279	2.791	0.481	0.400	0.269	0.106
151.0	88.781	82.824	59.952	26.642	2.758	0.481	0.400	0.269	0.106
151.5	87.067	81.241	58.736	25.957	2.709	0.473	0.400	0.269	0.106
152.0	85.435	79.650	57.561	25.304	2.668	0.473	0.400	0.261	0.106
152.5	83.722	78.059	56.386	24.594	2.628	0.473	0.400	0.261	0.106
153.0	82.090	76.418	55.121	23.909	2.579	0.473	0.392	0.261	0.106
153.5	80.368	74.827	53.897	23.215	2.538	0.473	0.392	0.261	0.106
154.0	78.662	73.187	52.624	22.513	2.497	0.481	0.392	0.261	0.106
154.5	77.030	71.555	51.359	21.820	2.448	0.498	0.392	0.261	0.106
155.0	75.276	69.948	50.086	21.134	2.407	0.522	0.392	0.253	0.106
155.5	73.562	68.275	48.780	20.424	2.366	0.555	0.392	0.253	0.106
156.0	71.857	66.626	47.491	19.747	2.317	0.588	0.384	0.253	0.106
156.5	70.013	64.954	46.194	19.070	2.277	0.620	0.384	0.253	0.106
157.0	68.332	63.371	44.839	18.368	2.236	0.661	0.384	0.253	0.106
157.5	66.528	61.796	43.395	17.707	2.195	0.710	0.384	0.253	0.106
158.0	64.676	60.204	41.861	17.046	2.154	0.759	0.384	0.253	0.098
158.5	62.669	58.499	40.294	16.377	2.113	0.808	0.384	0.245	0.098
159.0	60.719	56.908	38.703	15.724	2.073	0.840	0.384	0.245	0.098
159.5	58.932	55.317	37.079	15.072	2.032	0.857	0.375	0.245	0.098
160.0	57.234	53.611	35.382	14.427	1.983	0.857	0.375	0.245	0.098
160.5	55.390	51.775	33.644	13.831	1.942	0.849	0.375	0.245	0.098
161.0	53.628	49.817	31.767	13.203	1.901	0.832	0.375	0.237	0.098
161.5	51.816	47.671	29.849	12.591	1.860	0.865	0.375	0.237	0.098
162.0	49.988	45.345	27.899	11.946	1.820	0.898	0.375	0.237	0.090
162.5	48.046	42.603	26.022	11.318	1.779	0.914	0.375	0.237	0.090
163.0	45.737	39.519	24.129	10.739	1.738	0.914	0.375	0.237	0.090
163.5	42.897	36.198	22.309	10.151	1.705	0.898	0.375	0.228	0.090
164.0	39.152	32.795	20.506	9.588	1.665	0.881	0.375	0.228	0.090
164.5	33.823	29.343	18.809	9.049	1.624	0.881	0.384	0.228	0.090
165.0	27.752	25.769	17.267	8.511	1.591	0.906	0.392	0.228	0.082
165.5	21.143	22.432	15.790	8.005	1.550	0.898	0.416	0.228	0.090
166.0	14.427	19.470	14.451	7.532	1.518	0.873	0.465	0.228	0.082
166.5	8.348	16.728	13.121	7.058	1.485	0.849	0.522	0.220	0.082

CANDELA TABULATION - (Cont.)

167.0	3.819	13.970	11.734	6.536	1.461	0.832	0.579	0.220	0.090
167.5	1.575	11.342	10.380	5.989	1.428	0.824	0.636	0.220	0.090
168.0	0.620	8.845	9.107	5.451	1.395	0.808	0.694	0.220	0.090
168.5	0.277	6.552	7.923	4.969	1.355	0.783	0.808	0.228	0.090
169.0	0.245	4.488	6.846	4.504	1.314	0.767	0.889	0.245	0.090
169.5	0.228	2.774	5.818	4.047	1.273	0.759	0.906	0.261	0.090
170.0	0.228	1.534	4.880	3.615	1.240	0.751	0.857	0.277	0.106
170.5	0.220	0.759	4.015	3.191	1.200	0.743	0.800	0.326	0.139
171.0	0.212	0.359	3.264	2.766	1.167	0.734	0.767	0.441	0.171
171.5	0.204	0.245	2.603	2.375	1.134	0.710	0.751	0.588	0.212
172.0	0.196	0.228	2.032	2.040	1.102	0.685	0.743	0.685	0.367
172.5	0.196	0.228	1.559	1.746	1.061	0.669	0.726	0.718	0.571
173.0	0.188	0.228	1.175	1.518	1.020	0.653	0.718	0.726	0.685
173.5	0.180	0.220	0.865	1.314	0.971	0.636	0.718	0.734	0.702
174.0	0.171	0.220	0.620	1.134	0.922	0.628	0.726	0.718	0.726
174.5	0.163	0.220	0.457	0.987	0.865	0.628	0.710	0.579	0.759
175.0	0.155	0.212	0.367	0.857	0.800	0.628	0.661	0.506	0.792
175.5	0.155	0.212	0.343	0.751	0.726	0.620	0.604	0.506	0.808
176.0	0.147	0.212	0.343	0.669	0.661	0.612	0.563	0.481	0.849
176.5	0.139	0.212	0.343	0.596	0.612	0.596	0.539	0.441	0.840
177.0	0.131	0.212	0.343	0.539	0.571	0.579	0.547	0.400	0.685
177.5	0.131	0.204	0.335	0.490	0.539	0.555	0.539	0.375	0.465
178.0	0.122	0.204	0.335	0.465	0.514	0.539	0.530	0.375	0.302
178.5	0.114	0.204	0.343	0.449	0.498	0.514	0.514	0.359	0.286
179.0	0.106	0.212	0.375	0.441	0.490	0.506	0.481	0.318	0.106
179.5	0.106	0.261	0.416	0.441	0.490	0.490	0.457	0.302	0.098
180.0	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLV-L-L7-AMB-O-WHT-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3.49	N.A.	0.60
0-30	13.45	N.A.	2.30
0-40	33.49	N.A.	5.60
0-60	109.60	N.A.	18.40
0-80	228.04	N.A.	38.30
0-90	295.66	N.A.	49.60
10-90	295.35	N.A.	49.60
20-40	30.00	N.A.	5.00
20-50	61.93	N.A.	10.40
40-70	131.24	N.A.	22.00
60-80	118.43	N.A.	19.90
70-80	63.30	N.A.	10.60
80-90	67.62	N.A.	11.30
90-110	131.57	N.A.	22.10
90-120	187.48	N.A.	31.50
90-130	232.56	N.A.	39.00
90-150	286.67	N.A.	48.10
90-180	300.20	N.A.	50.40
110-180	168.63	N.A.	28.30
0-180	595.85	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.31
10-20	3.17
20-30	9.97
30-40	20.03
40-50	31.93
50-60	44.18
60-70	55.13
70-80	63.30
80-90	67.62
90-100	67.81
100-110	63.75
110-120	55.91
120-130	45.09
130-140	33.07
140-150	21.04
150-160	10.69
160-170	2.75
170-180	0.08

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	87	87	87	87	81	81	81	81	68	68	68	56	56	56	46	46	46	41
1	75	69	64	60	68	63	59	55	52	49	46	42	39	37	33	31	29	24
2	66	58	51	45	60	53	47	41	43	38	34	34	31	27	26	23	21	17
3	59	49	42	35	54	45	38	32	37	31	27	29	25	21	22	18	16	12
4	54	43	35	29	48	39	32	26	32	26	21	25	20	17	18	15	12	9
5	49	37	29	24	44	34	27	22	28	22	18	22	17	14	16	13	10	7
6	45	33	25	20	40	30	23	18	24	19	15	19	15	11	14	11	8	5
7	41	29	22	17	37	27	20	15	22	16	12	17	13	10	13	9	7	4
8	38	26	19	14	34	24	18	13	20	14	11	15	11	8	12	8	6	4
9	35	24	17	13	32	22	16	11	18	13	9	14	10	7	11	7	5	3
10	33	22	15	11	30	20	14	10	16	11	8	13	9	6	10	7	4	3

POLAR GRAPH
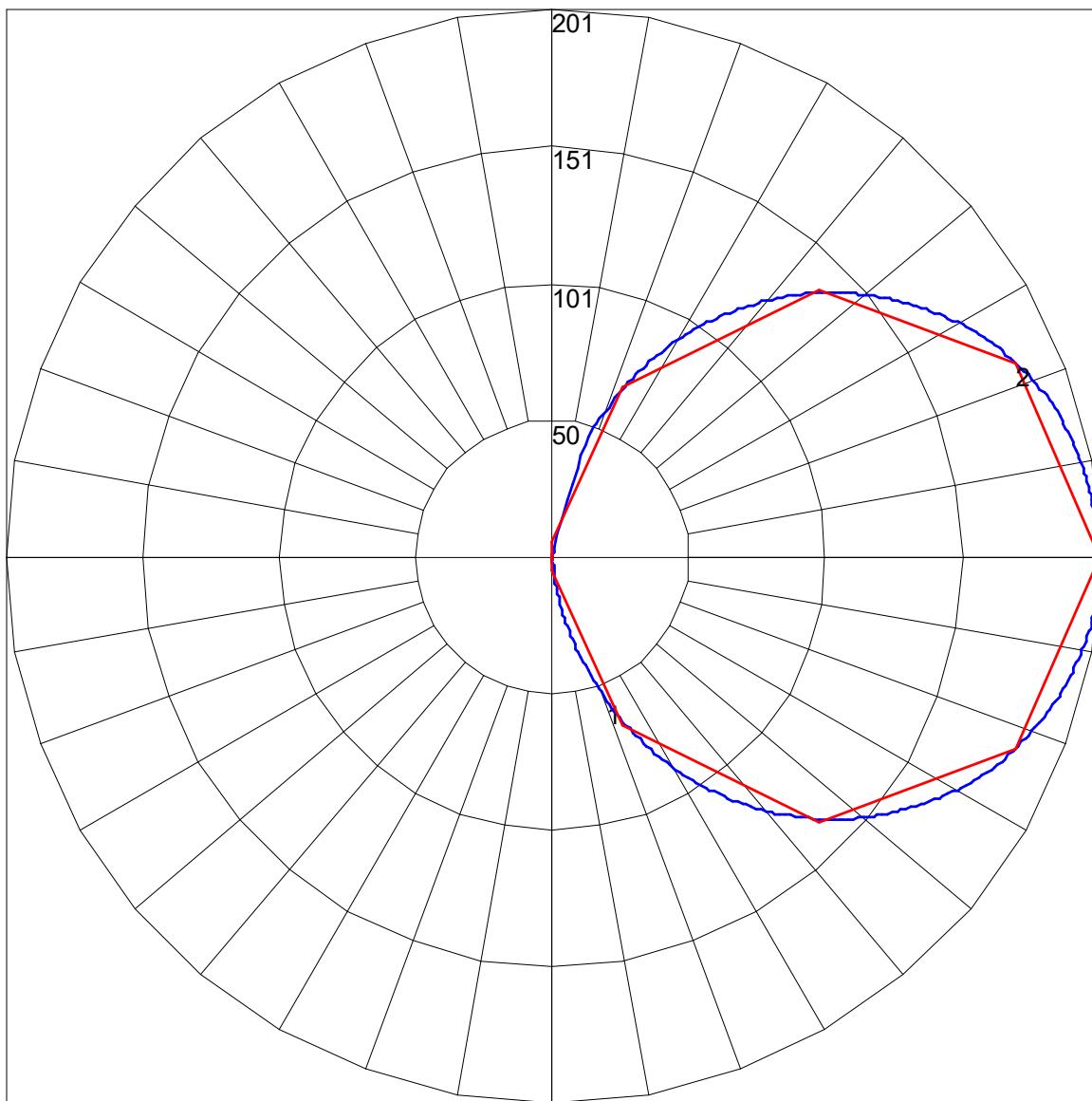
Maximum Candela = 201.389   Located At Horizontal Angle = 0, Vertical Angle = 91
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (91) (Through Max. Cd.)