



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #15351604.05
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 8/5/2024
[TEST DATE] 6/25/2024
[MANUFAC] H E WILLIAMS INC
[LUMCAT] NLV-L-L7/AMB-WL-WHT-DIM-UNV
[LUMINAIRE] White recessed housing with white louver
[LAMP] 48 AMBER LEDs
[BALLAST] OSRAM/ELDOLED OSRAM OTI25W
[OTHER] 25.8 C, 119.992 V, 0.128022 A, 14.9378 W, 0.972414 PF, 59.9693
[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	561
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	16.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	20.02
Spacing Criterion (90-270)	3.10
Spacing Criterion (Diagonal)	12.90
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

	<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>
0.0	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.322
0.5	0.188	0.251	0.345	0.408	0.424	0.400	0.345	0.243	0.173
1.0	0.212	0.275	0.361	0.408	0.424	0.400	0.345	0.243	0.173
1.5	0.259	0.306	0.377	0.416	0.424	0.408	0.345	0.243	0.173
2.0	0.322	0.361	0.408	0.424	0.424	0.400	0.345	0.243	0.165
2.5	0.408	0.432	0.447	0.432	0.424	0.400	0.345	0.236	0.165
3.0	0.510	0.518	0.495	0.447	0.424	0.400	0.338	0.228	0.157
3.5	0.628	0.612	0.550	0.463	0.424	0.400	0.338	0.228	0.149
4.0	0.769	0.730	0.620	0.479	0.424	0.400	0.338	0.228	0.141
4.5	0.942	0.864	0.699	0.502	0.424	0.400	0.330	0.220	0.141
5.0	1.154	1.028	0.785	0.534	0.424	0.400	0.330	0.220	0.141
5.5	1.421	1.232	0.887	0.565	0.424	0.393	0.330	0.220	0.133
6.0	1.774	1.476	1.005	0.597	0.424	0.393	0.330	0.220	0.133
6.5	2.206	1.766	1.130	0.636	0.424	0.393	0.330	0.220	0.133
7.0	2.724	2.143	1.287	0.675	0.424	0.393	0.330	0.212	0.133
7.5	3.352	2.575	1.460	0.722	0.424	0.393	0.330	0.212	0.133
8.0	4.106	3.101	1.672	0.769	0.424	0.393	0.322	0.212	0.133
8.5	4.953	3.752	1.923	0.816	0.432	0.393	0.330	0.212	0.126
9.0	5.942	4.467	2.222	0.879	0.432	0.393	0.330	0.212	0.126
9.5	7.089	5.291	2.559	0.942	0.432	0.400	0.330	0.220	0.133
10.0	8.352	6.249	2.959	1.005	0.440	0.400	0.338	0.220	0.141
10.5	9.695	7.332	3.391	1.083	0.447	0.408	0.338	0.228	0.149
11.0	11.226	8.486	3.886	1.162	0.455	0.416	0.345	0.236	0.165
11.5	12.929	9.758	4.459	1.248	0.463	0.424	0.353	0.243	0.181
12.0	14.774	11.147	5.063	1.342	0.479	0.432	0.369	0.251	0.196
12.5	16.768	12.717	5.738	1.437	0.487	0.440	0.377	0.267	0.220
13.0	18.903	14.397	6.508	1.546	0.495	0.455	0.385	0.275	0.243
13.5	21.187	16.140	7.308	1.664	0.510	0.463	0.393	0.290	0.267
14.0	23.605	18.126	8.164	1.790	0.518	0.471	0.400	0.298	0.283
14.5	26.101	20.198	9.114	1.931	0.526	0.479	0.408	0.306	0.298
15.0	28.723	22.380	10.087	2.088	0.534	0.479	0.416	0.306	0.314
15.5	31.416	24.680	11.163	2.245	0.542	0.487	0.416	0.314	0.322
16.0	34.195	27.083	12.277	2.410	0.542	0.487	0.424	0.322	0.330
16.5	37.342	29.642	13.455	2.591	0.542	0.487	0.424	0.322	0.338
17.0	40.545	32.264	14.750	2.795	0.550	0.487	0.424	0.330	0.345
17.5	43.874	34.933	16.108	3.022	0.550	0.487	0.424	0.338	0.361
18.0	47.579	37.774	17.537	3.242	0.550	0.487	0.424	0.345	0.377
18.5	51.378	40.773	19.076	3.485	0.550	0.487	0.424	0.353	0.385
19.0	55.193	43.929	20.638	3.737	0.557	0.487	0.432	0.353	0.393
19.5	59.346	47.296	22.255	4.004	0.557	0.479	0.432	0.353	0.385
20.0	63.546	50.735	23.997	4.294	0.550	0.471	0.424	0.353	0.361
20.5	67.651	54.267	25.740	4.584	0.526	0.455	0.408	0.345	0.322
21.0	72.047	57.941	27.577	4.891	0.502	0.432	0.385	0.322	0.283
21.5	76.640	61.630	29.485	5.220	0.479	0.400	0.361	0.298	0.228
22.0	81.091	65.422	31.486	5.558	0.471	0.385	0.345	0.283	0.196
22.5	85.644	69.363	33.567	5.950	0.471	0.385	0.353	0.290	0.204
23.0	91.060	73.303	35.725	6.351	0.471	0.385	0.353	0.290	0.212
23.5	96.163	77.291	37.931	6.767	0.471	0.385	0.353	0.298	0.212
24.0	100.009	81.405	40.239	7.206	0.479	0.385	0.361	0.298	0.220
24.5	105.269	85.722	42.618	7.677	0.479	0.385	0.361	0.298	0.228
25.0	110.842	90.118	45.090	8.148	0.479	0.385	0.369	0.306	0.228
25.5	116.416	94.828	47.657	8.643	0.479	0.385	0.369	0.322	0.236
26.0	122.303	99.381	50.358	9.153	0.487	0.385	0.377	0.322	0.243
26.5	127.955	104.091	52.948	9.703	0.487	0.385	0.377	0.330	0.236

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27.0	133.921	109.115	55.617	10.244	0.495	0.385	0.385	0.330	0.236
27.5	139.495	114.139	58.412	10.825	0.495	0.385	0.385	0.330	0.236
28.0	145.618	119.163	61.128	11.430	0.495	0.385	0.385	0.330	0.243
28.5	151.191	124.423	63.970	12.034	0.502	0.385	0.393	0.330	0.243
29.0	156.765	129.604	66.827	12.678	0.502	0.385	0.400	0.338	0.243
29.5	162.024	134.863	69.630	13.345	0.502	0.385	0.400	0.338	0.243
30.0	167.598	140.044	72.526	14.012	0.510	0.385	0.408	0.338	0.243
30.5	173.014	145.068	75.643	14.711	0.518	0.385	0.416	0.338	0.243
31.0	178.588	150.092	78.657	15.433	0.518	0.393	0.416	0.338	0.243
31.5	184.318	155.116	81.797	16.179	0.526	0.393	0.424	0.338	0.243
32.0	190.049	160.140	84.937	16.948	0.526	0.393	0.424	0.345	0.243
32.5	196.093	165.164	88.156	17.757	0.534	0.393	0.424	0.345	0.243
33.0	201.902	170.345	91.453	18.581	0.542	0.400	0.432	0.345	0.243
33.5	207.868	175.369	94.907	19.429	0.542	0.400	0.432	0.345	0.243
34.0	213.756	180.550	98.361	20.332	0.550	0.400	0.432	0.345	0.243
34.5	219.408	185.574	101.972	21.234	0.557	0.408	0.432	0.345	0.243
35.0	225.060	190.598	105.583	22.184	0.565	0.408	0.440	0.345	0.243
35.5	230.162	196.015	109.037	23.165	0.573	0.408	0.440	0.345	0.243
36.0	235.343	201.117	112.412	24.170	0.581	0.408	0.440	0.345	0.243
36.5	240.132	206.063	116.102	25.167	0.589	0.408	0.440	0.345	0.243
37.0	244.763	210.930	119.634	26.203	0.597	0.408	0.440	0.345	0.243
37.5	248.845	215.718	123.245	27.263	0.604	0.408	0.440	0.345	0.243
38.0	252.849	220.271	126.935	28.331	0.612	0.408	0.440	0.345	0.243
38.5	256.460	224.667	130.624	29.422	0.620	0.408	0.440	0.345	0.251
39.0	259.757	228.828	134.235	30.521	0.628	0.416	0.440	0.345	0.251
39.5	262.975	232.674	137.846	31.651	0.636	0.416	0.440	0.353	0.251
40.0	265.801	236.442	141.300	32.789	0.644	0.416	0.440	0.353	0.251
40.5	268.706	239.818	144.911	33.896	0.652	0.416	0.440	0.353	0.259
41.0	271.296	243.115	148.444	35.035	0.667	0.416	0.440	0.353	0.259
41.5	273.730	246.176	151.898	36.149	0.675	0.424	0.440	0.353	0.259
42.0	275.849	249.081	155.509	37.272	0.683	0.424	0.440	0.361	0.267
42.5	277.733	251.750	159.041	38.402	0.691	0.424	0.440	0.361	0.267
43.0	279.617	254.183	162.574	39.572	0.699	0.424	0.447	0.369	0.283
43.5	281.344	256.460	166.106	40.773	0.707	0.432	0.447	0.369	0.290
44.0	282.914	258.658	169.482	42.052	0.714	0.432	0.455	0.369	0.290
44.5	284.327	260.699	172.779	43.301	0.730	0.440	0.455	0.377	0.275
45.0	285.505	262.426	176.076	44.564	0.738	0.440	0.463	0.377	0.259
45.5	286.525	264.074	179.294	45.813	0.746	0.447	0.463	0.377	0.259
46.0	287.467	265.566	182.434	47.076	0.761	0.447	0.471	0.377	0.259
46.5	288.174	266.822	185.417	48.395	0.769	0.455	0.471	0.377	0.259
47.0	288.566	267.921	188.243	49.714	0.777	0.455	0.471	0.377	0.259
47.5	288.880	268.941	190.991	51.033	0.793	0.455	0.471	0.377	0.259
48.0	288.802	269.726	193.424	52.414	0.801	0.455	0.471	0.377	0.259
48.5	288.566	270.276	195.858	53.725	0.809	0.463	0.479	0.377	0.259
49.0	288.174	270.668	198.134	54.989	0.816	0.463	0.479	0.369	0.259
49.5	287.546	270.982	200.175	56.285	0.832	0.471	0.479	0.369	0.259
50.0	286.996	270.982	202.138	57.533	0.840	0.471	0.479	0.369	0.251
50.5	286.211	270.825	203.943	58.820	0.848	0.471	0.479	0.377	0.251
51.0	285.348	270.433	205.513	60.155	0.864	0.479	0.479	0.377	0.251
51.5	284.484	269.883	207.005	61.442	0.871	0.479	0.487	0.377	0.251
52.0	283.542	269.255	208.339	62.761	0.879	0.487	0.479	0.377	0.251
52.5	282.522	268.549	209.517	64.127	0.895	0.487	0.487	0.377	0.251
53.0	281.501	267.764	210.537	65.500	0.903	0.487	0.487	0.377	0.251
53.5	280.402	266.979	211.401	66.882	0.911	0.495	0.487	0.377	0.251
54.0	279.303	265.958	212.107	68.279	0.926	0.495	0.487	0.377	0.251
54.5	278.361	265.016	212.814	69.708	0.942	0.502	0.487	0.377	0.251

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55.0	277.262	263.996	213.206	71.105	0.958	0.502	0.487	0.377	0.251
55.5	276.242	263.054	213.520	72.510	0.966	0.502	0.495	0.377	0.251
56.0	275.064	261.955	213.599	73.931	0.981	0.510	0.495	0.377	0.251
56.5	273.730	260.934	213.520	75.329	0.989	0.510	0.495	0.377	0.251
57.0	272.474	259.914	213.363	76.734	1.005	0.510	0.495	0.377	0.243
57.5	271.061	258.736	213.128	78.092	1.013	0.518	0.495	0.377	0.243
58.0	269.569	257.480	212.578	79.442	1.028	0.518	0.495	0.377	0.243
58.5	268.156	256.146	211.872	80.777	1.060	0.542	0.510	0.393	0.267
59.0	266.743	254.733	211.087	82.033	1.099	0.565	0.534	0.416	0.322
59.5	265.173	253.241	210.223	83.367	1.146	0.604	0.573	0.447	0.385
60.0	263.603	251.671	209.203	84.545	1.185	0.628	0.597	0.463	0.424
60.5	262.033	249.944	208.104	85.644	1.201	0.636	0.597	0.463	0.424
61.0	260.463	248.217	207.005	86.821	1.217	0.636	0.604	0.463	0.424
61.5	258.893	246.490	205.827	87.920	1.232	0.644	0.604	0.463	0.424
62.0	257.166	244.763	204.571	89.019	1.248	0.644	0.604	0.455	0.424
62.5	255.361	243.036	203.315	90.118	1.272	0.652	0.604	0.455	0.424
63.0	253.477	241.231	202.138	91.139	1.295	0.652	0.604	0.455	0.424
63.5	251.750	239.504	200.803	92.081	1.311	0.659	0.604	0.455	0.424
64.0	249.944	237.698	199.547	92.944	1.335	0.659	0.604	0.447	0.424
64.5	248.139	235.893	198.134	93.729	1.358	0.667	0.604	0.447	0.424
65.0	246.255	234.009	196.721	94.436	1.382	0.667	0.604	0.447	0.424
65.5	244.292	232.125	195.151	95.064	1.405	0.675	0.604	0.440	0.424
66.0	242.330	230.319	193.581	95.535	1.429	0.675	0.604	0.440	0.424
66.5	240.289	228.357	191.933	95.927	1.444	0.675	0.604	0.432	0.416
67.0	238.248	226.394	190.284	96.241	1.468	0.675	0.604	0.424	0.408
67.5	236.285	224.510	188.557	96.398	1.492	0.675	0.597	0.424	0.393
68.0	234.087	222.548	186.830	96.477	1.507	0.667	0.589	0.408	0.377
68.5	231.889	220.507	185.025	96.320	1.523	0.659	0.581	0.400	0.369
69.0	229.927	218.544	183.298	96.163	1.531	0.659	0.573	0.393	0.345
69.5	227.807	216.660	181.492	95.927	1.546	0.644	0.565	0.385	0.322
70.0	225.688	214.698	179.687	95.535	1.554	0.636	0.557	0.369	0.306
70.5	223.568	212.735	177.960	95.142	1.570	0.636	0.550	0.361	0.290
71.0	221.370	210.773	176.233	94.593	1.578	0.628	0.542	0.353	0.275
71.5	219.329	208.732	174.506	93.886	1.594	0.620	0.534	0.345	0.259
72.0	217.288	206.769	172.700	93.180	1.609	0.620	0.534	0.338	0.259
72.5	215.169	204.728	170.895	92.395	1.625	0.612	0.526	0.338	0.251
73.0	213.128	202.766	169.089	91.610	1.641	0.612	0.526	0.338	0.251
73.5	211.008	200.803	167.205	90.668	1.664	0.612	0.526	0.338	0.251
74.0	208.810	198.762	165.321	89.647	1.680	0.620	0.526	0.345	0.251
74.5	206.612	196.643	163.202	88.627	1.696	0.620	0.534	0.345	0.259
75.0	204.493	194.445	161.161	87.528	1.711	0.620	0.534	0.361	0.275
75.5	202.216	192.247	159.198	86.350	1.727	0.628	0.534	0.377	0.298
76.0	200.018	189.970	157.079	85.173	1.743	0.628	0.542	0.385	0.322
76.5	197.742	187.615	154.881	83.995	1.751	0.636	0.557	0.400	0.353
77.0	195.465	185.339	152.761	82.818	1.758	0.636	0.573	0.416	0.393
77.5	193.189	182.905	150.563	81.562	1.766	0.644	0.589	0.432	0.432
78.0	190.991	180.629	148.287	80.384	1.774	0.636	0.597	0.447	0.440
78.5	188.793	178.352	146.010	79.207	1.774	0.628	0.597	0.447	0.432
79.0	186.595	175.997	143.734	78.005	1.782	0.628	0.581	0.440	0.400
79.5	184.475	173.799	141.379	76.797	1.790	0.620	0.573	0.424	0.369
80.0	182.356	171.444	139.102	75.603	1.798	0.628	0.565	0.408	0.338
80.5	180.236	169.325	136.904	74.340	1.798	0.628	0.565	0.400	0.330
81.0	178.117	167.048	134.706	72.981	1.813	0.636	0.573	0.408	0.330
81.5	176.076	164.929	132.587	71.568	1.821	0.644	0.581	0.416	0.338
82.0	174.035	162.809	130.467	70.155	1.829	0.652	0.581	0.424	0.345
82.5	171.837	160.690	128.348	68.680	1.837	0.652	0.581	0.424	0.361

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83.0	169.639	158.570	126.307	67.188	1.845	0.652	0.581	0.432	0.369
83.5	167.441	156.451	124.187	65.697	1.853	0.652	0.581	0.432	0.385
84.0	165.007	154.253	122.068	64.158	1.868	0.652	0.581	0.432	0.393
84.5	162.731	152.133	119.948	62.659	1.884	0.652	0.589	0.432	0.400
85.0	160.297	150.014	117.907	61.128	1.892	0.652	0.589	0.424	0.400
85.5	157.864	147.737	115.945	59.636	1.900	0.652	0.589	0.424	0.400
86.0	155.430	145.539	113.904	58.145	1.908	0.652	0.589	0.424	0.393
86.5	152.997	143.341	111.941	56.685	1.915	0.659	0.597	0.424	0.385
87.0	150.563	141.222	109.822	55.233	1.923	0.659	0.604	0.424	0.377
87.5	148.287	138.945	107.859	53.804	1.931	0.659	0.604	0.424	0.369
88.0	145.932	136.826	105.975	52.414	1.939	0.659	0.604	0.416	0.361
88.5	143.734	134.863	104.013	51.080	1.947	0.667	0.604	0.416	0.353
89.0	141.693	132.744	102.207	49.855	1.955	0.675	0.620	0.416	0.345
89.5	139.730	130.703	100.402	48.694	1.963	0.667	0.636	0.440	0.338
90.0	137.689	128.819	98.675	47.626	1.970	0.659	0.628	0.440	0.338
90.5	135.805	127.013	97.105	46.511	1.978	0.659	0.628	0.447	0.408
91.0	134.157	125.208	95.535	45.420	1.986	0.659	0.620	0.479	0.385
91.5	132.508	123.481	94.200	44.360	1.994	0.659	0.612	0.440	0.400
92.0	131.017	121.911	92.866	43.301	2.002	0.659	0.604	0.424	0.393
92.5	129.682	120.419	91.610	42.374	2.017	0.659	0.589	0.408	0.345
93.0	128.348	119.163	90.432	41.542	2.033	0.659	0.589	0.408	0.330
93.5	127.249	117.986	89.412	40.796	2.049	0.652	0.589	0.408	0.330
94.0	126.150	116.965	88.470	40.153	2.065	0.652	0.589	0.408	0.330
94.5	125.286	115.945	87.606	39.619	2.072	0.652	0.589	0.408	0.345
95.0	124.501	115.081	86.821	39.093	2.080	0.652	0.589	0.408	0.353
95.5	123.795	114.296	86.193	38.630	2.096	0.652	0.589	0.408	0.361
96.0	123.010	113.590	85.565	38.206	2.104	0.644	0.589	0.408	0.377
96.5	122.303	112.962	84.937	37.813	2.112	0.644	0.589	0.400	0.385
97.0	121.597	112.255	84.309	37.452	2.120	0.644	0.581	0.400	0.385
97.5	121.047	111.627	83.681	37.115	2.135	0.644	0.581	0.400	0.385
98.0	120.341	110.999	83.132	36.793	2.143	0.644	0.573	0.400	0.377
98.5	119.634	110.371	82.582	36.487	2.151	0.644	0.573	0.400	0.361
99.0	119.006	109.743	82.033	36.173	2.159	0.636	0.573	0.400	0.353
99.5	118.300	109.037	81.405	35.882	2.167	0.636	0.573	0.400	0.338
100.0	117.593	108.487	80.934	35.623	2.174	0.636	0.565	0.393	0.322
100.5	116.965	107.859	80.384	35.356	2.174	0.636	0.565	0.393	0.314
101.0	116.259	107.231	79.835	35.105	2.182	0.636	0.565	0.385	0.306
101.5	115.631	106.603	79.285	34.854	2.190	0.628	0.565	0.385	0.298
102.0	115.003	105.975	78.736	34.619	2.190	0.628	0.557	0.377	0.298
102.5	114.375	105.347	78.210	34.391	2.198	0.620	0.557	0.377	0.298
103.0	113.747	104.798	77.660	34.148	2.198	0.620	0.557	0.377	0.298
103.5	113.119	104.170	77.103	33.912	2.206	0.620	0.557	0.377	0.290
104.0	112.412	103.542	76.608	33.677	2.214	0.612	0.550	0.369	0.290
104.5	111.784	102.914	76.067	33.433	2.222	0.612	0.550	0.369	0.283
105.0	111.156	102.286	75.533	33.213	2.229	0.604	0.550	0.369	0.283
105.5	110.528	101.658	75.007	32.994	2.245	0.604	0.550	0.369	0.283
106.0	109.900	100.951	74.465	32.774	2.261	0.597	0.542	0.369	0.283
106.5	109.194	100.402	73.923	32.570	2.277	0.597	0.542	0.369	0.283
107.0	108.487	99.774	73.398	32.389	2.292	0.597	0.542	0.369	0.283
107.5	107.859	99.146	72.895	32.209	2.300	0.589	0.534	0.369	0.283
108.0	107.153	98.518	72.377	32.028	2.316	0.589	0.534	0.369	0.283
108.5	106.446	97.811	71.859	31.840	2.324	0.581	0.534	0.361	0.283
109.0	105.740	97.183	71.372	31.667	2.339	0.581	0.534	0.361	0.283
109.5	105.112	96.634	70.878	31.494	2.347	0.581	0.526	0.361	0.283
110.0	104.405	95.927	70.367	31.314	2.355	0.573	0.526	0.361	0.283
110.5	103.699	95.299	69.873	31.149	2.363	0.573	0.526	0.361	0.283

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

111.0	103.071	94.671	69.323	30.992	2.379	0.565	0.526	0.361	0.283
111.5	102.286	93.965	68.727	30.851	2.394	0.565	0.526	0.361	0.283
112.0	101.579	93.337	68.240	30.686	2.410	0.565	0.518	0.361	0.283
112.5	100.951	92.709	67.738	30.552	2.426	0.557	0.518	0.361	0.275
113.0	100.166	92.002	67.259	30.380	2.434	0.557	0.518	0.361	0.275
113.5	99.460	91.374	66.788	30.223	2.457	0.550	0.518	0.361	0.275
114.0	98.753	90.668	66.309	30.089	2.488	0.550	0.510	0.361	0.267
114.5	98.047	90.040	65.830	29.932	2.504	0.542	0.510	0.361	0.267
115.0	97.340	89.412	65.383	29.775	2.520	0.542	0.510	0.361	0.267
115.5	96.634	88.784	64.935	29.618	2.536	0.534	0.502	0.361	0.267
116.0	96.006	88.156	64.496	29.461	2.543	0.534	0.502	0.369	0.267
116.5	95.299	87.528	64.048	29.304	2.559	0.526	0.502	0.369	0.267
117.0	94.593	86.900	63.624	29.155	2.567	0.526	0.502	0.361	0.267
117.5	93.886	86.272	63.200	29.006	2.567	0.518	0.495	0.369	0.267
118.0	93.258	85.644	62.761	28.864	2.559	0.518	0.495	0.369	0.259
118.5	92.473	85.016	62.305	28.707	2.551	0.510	0.495	0.369	0.267
119.0	91.767	84.309	61.858	28.558	2.551	0.510	0.495	0.369	0.259
119.5	90.982	83.681	61.418	28.393	2.551	0.502	0.487	0.369	0.259
120.0	90.354	83.053	60.963	28.221	2.551	0.502	0.487	0.369	0.259
120.5	89.569	82.347	60.524	28.040	2.559	0.495	0.487	0.369	0.259
121.0	88.862	81.719	60.068	27.860	2.559	0.495	0.487	0.369	0.259
121.5	88.156	81.091	59.613	27.671	2.559	0.487	0.479	0.369	0.259
122.0	87.449	80.463	59.173	27.483	2.567	0.487	0.479	0.369	0.259
122.5	86.664	79.835	58.742	27.294	2.567	0.479	0.479	0.369	0.259
123.0	86.036	79.207	58.318	27.106	2.567	0.479	0.479	0.369	0.259
123.5	85.251	78.579	57.909	26.910	2.575	0.471	0.471	0.377	0.259
124.0	84.545	77.951	57.478	26.714	2.575	0.471	0.471	0.369	0.251
124.5	83.917	77.346	57.062	26.509	2.583	0.471	0.471	0.377	0.251
125.0	83.210	76.749	56.653	26.305	2.583	0.463	0.471	0.377	0.251
125.5	82.582	76.176	56.230	26.101	2.591	0.463	0.463	0.377	0.251
126.0	81.954	75.588	55.774	25.897	2.591	0.455	0.463	0.377	0.251
126.5	81.248	74.999	55.272	25.693	2.591	0.455	0.455	0.377	0.243
127.0	80.620	74.442	54.817	25.497	2.591	0.447	0.455	0.377	0.243
127.5	79.992	73.853	54.377	25.308	2.591	0.447	0.455	0.369	0.236
128.0	79.285	73.264	53.930	25.104	2.591	0.440	0.455	0.369	0.236
128.5	78.657	72.683	53.482	24.908	2.591	0.440	0.447	0.377	0.236
129.0	77.966	72.102	53.042	24.712	2.583	0.440	0.447	0.369	0.236
129.5	77.283	71.545	52.603	24.516	2.583	0.432	0.447	0.369	0.236
130.0	76.663	70.956	52.163	24.335	2.583	0.432	0.447	0.369	0.236
130.5	76.012	70.367	51.716	24.147	2.583	0.432	0.440	0.369	0.236
131.0	75.376	69.779	51.276	23.958	2.591	0.424	0.440	0.369	0.236
131.5	74.685	69.174	50.821	23.762	2.591	0.424	0.432	0.369	0.228
132.0	74.041	68.585	50.358	23.566	2.591	0.424	0.432	0.369	0.228
132.5	73.413	67.957	49.895	23.362	2.598	0.416	0.432	0.369	0.228
133.0	72.699	67.345	49.416	23.173	2.598	0.416	0.432	0.369	0.228
133.5	72.039	66.764	48.953	22.977	2.606	0.416	0.432	0.369	0.228
134.0	71.333	66.144	48.474	22.781	2.606	0.408	0.424	0.361	0.220
134.5	70.658	65.508	47.979	22.577	2.606	0.408	0.424	0.361	0.220
135.0	69.983	64.880	47.500	22.373	2.598	0.408	0.416	0.361	0.220
135.5	69.268	64.189	47.022	22.153	2.598	0.400	0.416	0.361	0.220
136.0	68.562	63.483	46.535	21.925	2.591	0.400	0.416	0.361	0.212
136.5	67.887	62.824	46.025	21.697	2.583	0.400	0.416	0.353	0.212
137.0	67.188	62.188	45.522	21.470	2.575	0.400	0.408	0.353	0.212
137.5	66.490	61.520	45.028	21.234	2.567	0.393	0.408	0.353	0.212
138.0	65.783	60.838	44.510	21.007	2.559	0.393	0.408	0.353	0.204
138.5	65.053	60.155	44.007	20.771	2.551	0.393	0.400	0.353	0.204

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	64.252	59.456	43.497	20.536	2.543	0.385	0.400	0.345	0.204
139.5	63.522	58.789	42.994	20.308	2.536	0.385	0.393	0.345	0.196
140.0	62.745	58.027	42.476	20.065	2.520	0.385	0.393	0.338	0.196
140.5	61.929	57.321	41.950	19.829	2.512	0.377	0.393	0.338	0.196
141.0	61.049	56.614	41.432	19.601	2.496	0.377	0.393	0.338	0.196
141.5	60.249	55.892	40.922	19.366	2.488	0.377	0.385	0.330	0.188
142.0	59.432	55.178	40.404	19.138	2.481	0.377	0.385	0.330	0.188
142.5	58.671	54.463	39.886	18.903	2.465	0.377	0.385	0.330	0.181
143.0	57.894	53.749	39.352	18.667	2.457	0.369	0.377	0.322	0.181
143.5	57.101	53.042	38.818	18.432	2.441	0.369	0.377	0.322	0.173
144.0	56.332	52.344	38.308	18.196	2.426	0.369	0.377	0.314	0.173
144.5	55.586	51.653	37.759	17.961	2.418	0.369	0.369	0.314	0.173
145.0	54.840	50.954	37.225	17.733	2.402	0.361	0.369	0.314	0.165
145.5	54.079	50.248	36.699	17.498	2.394	0.361	0.369	0.306	0.165
146.0	53.286	49.549	36.165	17.254	2.386	0.361	0.361	0.306	0.157
146.5	52.517	48.851	35.639	17.019	2.371	0.361	0.361	0.298	0.157
147.0	51.755	48.152	35.121	16.783	2.363	0.361	0.361	0.298	0.157
147.5	51.009	47.461	34.603	16.540	2.355	0.361	0.353	0.298	0.157
148.0	50.256	46.770	34.069	16.289	2.347	0.353	0.353	0.290	0.149
148.5	49.479	46.087	33.527	16.038	2.339	0.353	0.353	0.290	0.149
149.0	48.701	45.397	33.001	15.786	2.324	0.353	0.345	0.283	0.149
149.5	47.948	44.698	32.468	15.527	2.316	0.353	0.345	0.283	0.141
150.0	47.194	44.007	31.910	15.276	2.300	0.353	0.345	0.283	0.141
150.5	46.433	43.285	31.369	15.009	2.284	0.353	0.338	0.275	0.141
151.0	45.687	42.555	30.811	14.758	2.277	0.345	0.338	0.275	0.133
151.5	44.910	41.825	30.262	14.491	2.261	0.345	0.338	0.275	0.133
152.0	44.148	41.048	29.704	14.209	2.245	0.345	0.338	0.275	0.133
152.5	43.356	40.278	29.155	13.942	2.229	0.345	0.330	0.267	0.133
153.0	42.492	39.525	28.598	13.659	2.222	0.345	0.330	0.267	0.133
153.5	41.707	38.724	28.040	13.376	2.206	0.345	0.330	0.267	0.126
154.0	40.867	37.947	27.491	13.094	2.190	0.353	0.322	0.259	0.126
154.5	40.019	37.154	26.941	12.819	2.174	0.369	0.322	0.259	0.126
155.0	39.211	36.346	26.392	12.529	2.159	0.393	0.322	0.251	0.126
155.5	38.339	35.537	25.834	12.246	2.143	0.416	0.322	0.251	0.126
156.0	37.499	34.744	25.293	11.963	2.135	0.440	0.314	0.251	0.126
156.5	36.667	33.959	24.728	11.673	2.127	0.463	0.314	0.243	0.118
157.0	35.804	33.213	24.162	11.383	2.104	0.502	0.314	0.243	0.118
157.5	34.948	32.436	23.613	11.100	2.096	0.557	0.314	0.243	0.118
158.0	34.053	31.659	23.024	10.802	2.080	0.652	0.306	0.236	0.110
158.5	33.096	30.874	22.396	10.511	2.065	0.714	0.306	0.236	0.110
159.0	32.169	30.105	21.768	10.229	2.065	0.714	0.306	0.236	0.110
159.5	31.267	29.335	21.117	9.922	2.049	0.707	0.306	0.228	0.110
160.0	30.254	28.558	20.441	9.616	2.033	0.699	0.298	0.228	0.110
160.5	29.390	27.765	19.704	9.310	2.025	0.699	0.298	0.220	0.102
161.0	28.519	26.926	18.942	9.012	2.017	0.683	0.298	0.220	0.102
161.5	27.640	26.015	18.157	8.674	2.002	0.675	0.298	0.220	0.102
162.0	26.800	25.034	17.317	8.337	1.994	0.675	0.290	0.212	0.102
162.5	25.913	23.966	16.438	8.007	1.986	0.675	0.290	0.212	0.102
163.0	25.049	22.796	15.496	7.669	1.970	0.683	0.290	0.212	0.094
163.5	24.162	21.548	14.538	7.332	1.963	0.683	0.290	0.204	0.094
164.0	23.205	20.198	13.510	7.010	1.955	0.683	0.290	0.204	0.094
164.5	21.964	18.809	12.474	6.696	1.939	0.699	0.298	0.204	0.094
165.0	20.277	17.325	11.445	6.374	1.931	0.691	0.314	0.196	0.086
165.5	18.094	15.779	10.527	6.060	1.931	0.667	0.361	0.196	0.086
166.0	15.355	14.161	9.608	5.754	1.915	0.644	0.416	0.196	0.086
166.5	11.744	12.395	8.698	5.456	1.900	0.620	0.455	0.188	0.086

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CANDELA TABULATION - (Cont.)

167.0	7.567	10.535	7.826	5.150	1.884	0.604	0.495	0.188	0.086
167.5	3.682	8.682	6.994	4.804	1.868	0.589	0.526	0.188	0.079
168.0	1.178	6.892	6.209	4.451	1.837	0.573	0.565	0.188	0.079
168.5	0.322	5.299	5.511	4.121	1.790	0.557	0.620	0.212	0.079
169.0	0.181	3.901	4.843	3.784	1.735	0.542	0.667	0.283	0.079
169.5	0.165	2.677	4.200	3.446	1.680	0.534	0.699	0.353	0.079
170.0	0.157	1.649	3.627	3.124	1.625	0.526	0.659	0.361	0.094
170.5	0.149	0.887	3.085	2.810	1.570	0.526	0.573	0.385	0.165
171.0	0.149	0.416	2.551	2.481	1.507	0.510	0.526	0.463	0.188
171.5	0.141	0.188	2.065	2.159	1.452	0.502	0.518	0.557	0.173
172.0	0.133	0.149	1.641	1.868	1.389	0.487	0.518	0.612	0.259
172.5	0.126	0.149	1.272	1.609	1.319	0.471	0.518	0.652	0.393
173.0	0.118	0.141	0.966	1.389	1.240	0.463	0.518	0.573	0.447
173.5	0.118	0.141	0.722	1.201	1.154	0.455	0.526	0.557	0.518
174.0	0.110	0.141	0.518	1.028	1.060	0.455	0.502	0.550	0.416
174.5	0.110	0.141	0.377	0.879	0.966	0.455	0.471	0.479	0.416
175.0	0.102	0.141	0.290	0.754	0.856	0.479	0.432	0.424	0.424
175.5	0.094	0.141	0.251	0.636	0.754	0.502	0.400	0.408	0.440
176.0	0.086	0.141	0.236	0.550	0.659	0.510	0.400	0.353	0.440
176.5	0.086	0.141	0.236	0.471	0.581	0.526	0.408	0.314	0.377
177.0	0.086	0.141	0.236	0.408	0.502	0.518	0.416	0.306	0.306
177.5	0.079	0.141	0.236	0.361	0.447	0.495	0.408	0.306	0.275
178.0	0.079	0.141	0.236	0.330	0.408	0.463	0.400	0.298	0.243
178.5	0.079	0.141	0.243	0.314	0.377	0.408	0.393	0.275	0.204
179.0	0.071	0.149	0.275	0.306	0.345	0.377	0.377	0.251	0.102
179.5	0.063	0.204	0.322	0.306	0.338	0.345	0.361	0.259	0.063
180.0	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2.23	N.A.	0.40
0-30	14.45	N.A.	2.60
0-40	48.72	N.A.	8.70
0-60	186.08	N.A.	33.20
0-80	338.73	N.A.	60.40
0-90	395.06	N.A.	70.40
10-90	394.97	N.A.	70.40
20-40	46.49	N.A.	8.30
20-50	106.92	N.A.	19.10
40-70	217.76	N.A.	38.80
60-80	152.65	N.A.	27.20
70-80	72.24	N.A.	12.90
80-90	56.33	N.A.	10.00
90-110	78.21	N.A.	13.90
90-120	107.70	N.A.	19.20
90-130	130.77	N.A.	23.30
90-150	158.40	N.A.	28.20
90-180	165.97	N.A.	29.60
110-180	87.77	N.A.	15.60
0-180	561.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.09
10-20	2.14
20-30	12.22
30-40	34.27
40-50	60.43
50-60	76.92
60-70	80.41
70-80	72.24
80-90	56.33
90-100	42.41
100-110	35.80
110-120	29.49
120-130	23.07
130-140	16.82
140-150	10.81
150-160	5.74
160-170	1.76
170-180	0.07

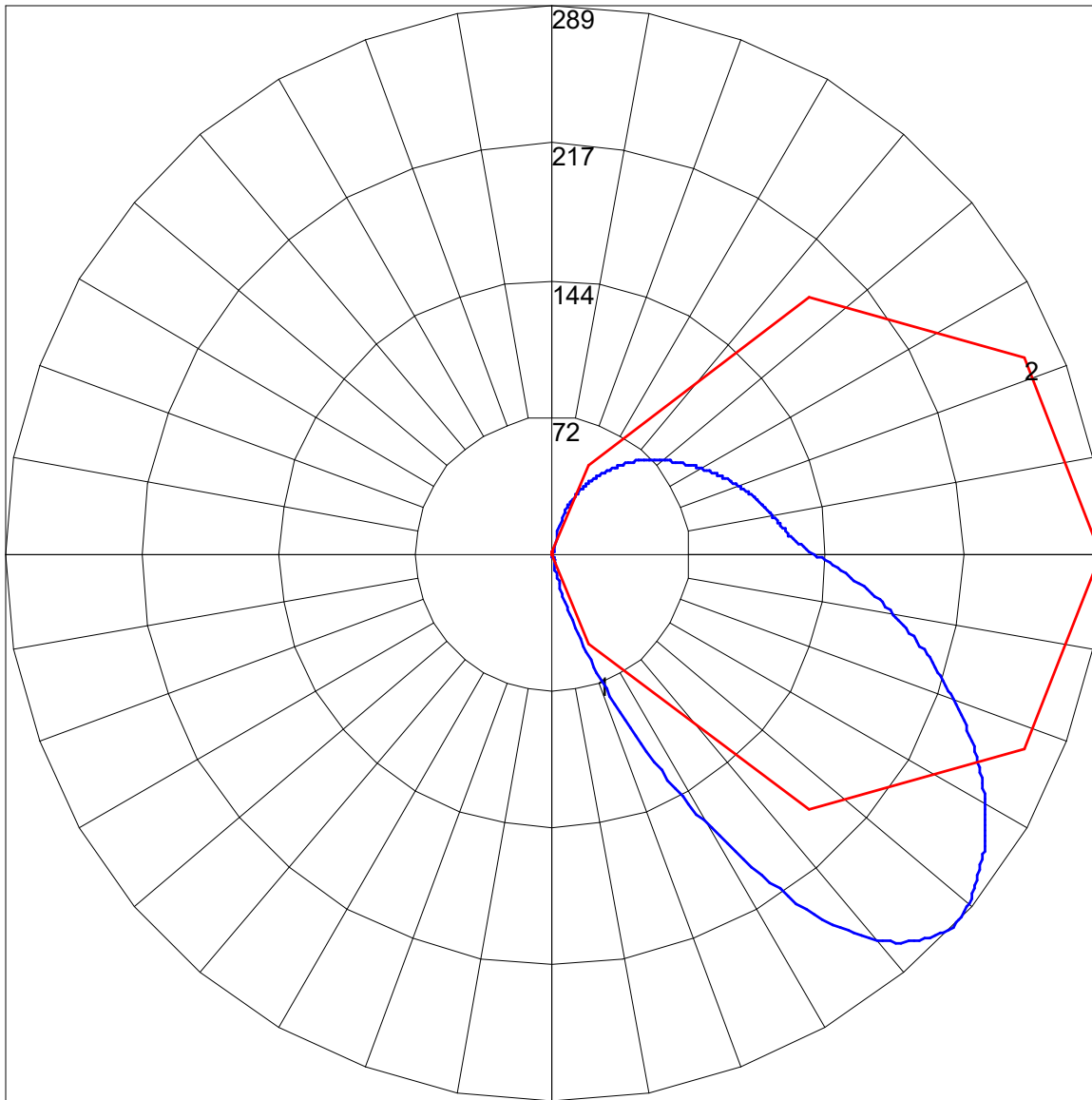
IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLV-L-L7-AMB-WL-WHT-DIM-UNV_.IES

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	88	88	88	88	83	83	83	83	74	74	74	66	66	66	59	59	59	55
1	76	70	65	61	71	66	62	58	58	55	52	51	48	46	45	42	40	37
2	67	58	51	45	62	54	48	43	48	43	38	42	37	34	36	33	30	26
3	59	49	41	35	55	46	39	33	40	34	29	35	30	26	30	26	22	19
4	53	42	34	27	49	39	32	26	34	28	23	29	24	20	25	21	17	15
5	48	36	28	22	45	34	26	21	30	23	18	25	20	16	22	17	14	11
6	44	32	24	18	41	30	22	17	26	20	15	22	17	13	19	15	11	9
7	40	28	20	15	37	26	19	14	23	17	13	20	15	11	17	12	9	7
8	37	25	18	13	34	24	17	12	21	15	11	18	13	9	15	11	8	6
9	34	23	16	11	32	21	15	10	19	13	9	16	11	8	14	10	6	5
10	32	21	14	9	29	19	13	9	17	11	8	15	10	7	12	8	6	4

POLAR GRAPH



Maximum Candela = 288.88 Located At Horizontal Angle = 0, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)