



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D9.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] OLV-40-LED35-MO-FWA-D9

[TESTLAB] Intertek

[ISSUE DATE] August 7, 2017

[MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6500
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	102
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	3.08 ft (Diameter)
Luminous Width (90-270)	3.08 ft (Diameter)
Luminous Height	0.58 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1946	1944	1972
55	1730	1715	1742
65	1449	1424	1452
75	1064	1034	1063
85	455	459	475

IES INDOOR REPORT
PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D9.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516
2.5	1828.106	1831.316	1833.188	1835.114	1835.478	1836.067	1836.109	1835.992	1833.552	1835.992
5.0	1820.231	1823.836	1824.104	1827.378	1828.769	1831.145	1830.866	1832.129	1828.138	1832.129
7.5	1807.615	1808.621	1811.713	1814.260	1817.737	1819.364	1821.354	1822.927	1818.925	1822.927
10.0	1790.592	1790.699	1793.309	1797.493	1800.521	1804.855	1806.674	1808.311	1805.037	1808.311
12.5	1769.224	1769.427	1771.428	1777.152	1780.341	1785.070	1788.837	1792.721	1787.884	1792.721
15.0	1743.940	1743.276	1747.128	1752.938	1757.379	1763.135	1767.619	1770.390	1767.330	1770.390
17.5	1716.227	1715.071	1717.725	1724.466	1729.323	1736.375	1741.158	1745.791	1740.687	1745.791
20.0	1682.992	1681.933	1685.453	1691.370	1697.448	1705.644	1711.626	1716.366	1711.561	1716.366
22.5	1645.574	1645.564	1649.405	1656.050	1661.603	1671.147	1677.246	1684.448	1678.413	1684.448
25.0	1607.033	1605.535	1610.179	1615.304	1622.248	1630.787	1639.882	1644.890	1641.220	1644.890
27.5	1564.287	1564.094	1566.266	1572.825	1579.727	1590.202	1597.959	1605.824	1600.025	1605.824
30.0	1515.388	1517.742	1519.860	1528.228	1535.247	1545.733	1555.523	1562.575	1556.818	1562.575
32.5	1467.419	1469.410	1470.319	1479.553	1487.375	1496.919	1508.176	1517.217	1509.075	1517.217
35.0	1419.655	1415.749	1419.644	1425.829	1435.715	1446.640	1457.565	1466.563	1458.357	1466.563
37.5	1368.519	1360.997	1364.592	1372.061	1381.317	1392.027	1403.326	1412.732	1404.824	1412.732
40.0	1309.980	1302.661	1304.897	1312.783	1323.451	1335.446	1346.798	1356.107	1348.275	1356.107
42.5	1248.947	1244.613	1245.940	1253.666	1262.151	1274.103	1286.718	1295.182	1288.173	1295.182
45.0	1185.549	1184.565	1184.073	1191.306	1201.524	1213.455	1225.418	1234.555	1225.599	1234.555
47.5	1125.865	1120.172	1119.027	1126.967	1135.538	1148.699	1159.869	1169.842	1161.057	1169.842
50.0	1063.099	1053.597	1053.961	1059.653	1070.396	1081.674	1095.092	1103.694	1095.338	1103.694
52.5	997.754	986.936	986.658	991.644	1001.713	1014.221	1026.772	1035.065	1028.077	1035.065
55.0	926.224	918.210	917.878	923.464	932.516	945.013	955.350	966.445	956.270	966.445
57.5	854.523	847.087	848.307	853.165	864.004	873.462	884.911	894.467	887.244	894.467
60.0	784.289	778.361	777.590	783.187	791.736	802.671	812.676	820.990	812.761	820.990
62.5	715.777	707.195	707.152	711.432	719.489	728.349	739.381	748.700	740.922	748.700
65.0	644.878	633.654	633.889	638.512	646.173	654.819	666.182	675.341	666.450	675.341
67.5	573.274	562.306	562.210	567.528	575.146	582.572	591.154	599.692	592.031	599.692
70.0	499.080	492.478	490.392	494.297	502.975	508.796	519.389	525.991	517.591	525.991
72.5	430.129	421.291	422.147	423.988	432.441	438.261	446.351	452.685	444.660	452.685
75.0	363.040	352.758	352.918	355.743	362.623	366.561	374.147	381.979	370.958	381.979
77.5	294.806	283.678	285.861	287.734	295.202	298.851	303.655	309.551	298.776	309.551
80.0	227.600	218.002	218.227	220.345	226.027	229.997	234.266	239.177	231.206	239.177
82.5	162.726	155.385	156.102	158.125	162.715	166.107	168.900	172.580	162.233	172.580
85.0	103.458	97.135	104.165	107.599	107.867	104.667	105.577	108.862	100.537	108.862
87.5	48.749	44.566	50.140	53.511	55.747	50.921	49.434	50.943	43.175	50.943
90.0	30.110	23.208	25.562	36.027	21.571	33.277	27.713	28.344	39.718	28.344
92.5	37.140	40.039	45.710	46.267	40.724	41.484	41.441	40.532	43.763	40.532
95.0	46.459	50.622	55.148	55.255	50.279	49.252	48.856	48.428	51.488	48.428
97.5	57.256	62.574	66.126	65.591	61.846	59.332	59.096	59.021	61.311	59.021
100.0	69.143	74.622	77.254	76.912	74.215	70.320	69.978	70.909	73.006	70.909
102.5	81.331	86.435	88.585	88.746	86.670	82.080	81.341	82.476	84.658	82.476
105.0	93.753	98.772	100.580	101.147	99.938	94.652	93.518	94.470	96.675	94.470
107.5	106.968	111.976	113.506	114.447	113.762	108.091	106.583	107.610	109.761	107.610
110.0	121.231	126.110	127.244	128.550	128.058	122.483	120.610	121.017	123.735	121.017
112.5	136.307	140.277	141.711	143.166	143.284	137.345	135.409	136.489	138.287	136.489
115.0	151.673	154.904	156.573	158.028	156.734	152.357	150.399	150.645	153.492	150.645
117.5	166.802	170.109	171.649	173.105	174.924	167.819	165.711	165.711	169.039	165.711
120.0	182.189	186.148	186.950	188.588	190.920	183.708	181.322	182.221	184.682	182.221
122.5	198.667	201.877	202.669	204.466	206.125	199.887	197.212	198.742	200.582	198.742
125.0	214.535	217.970	218.580	220.431	219.981	216.065	213.444	213.733	216.814	213.733
127.5	230.018	232.993	234.437	236.170	237.016	231.933	230.211	228.937	233.303	228.937
130.0	245.972	248.497	249.952	251.589	251.985	247.748	245.394	244.998	249.364	244.998
132.5	262.193	263.766	265.082	266.858	267.500	263.552	260.845	260.053	265.028	260.053

IES INDOOR REPORT
PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D9.IES

CANDELA TABULATION - (Cont.)

135.0	277.697	279.345	279.923	282.106	283.860	279.056	276.103	275.546	280.597	275.546
137.5	292.035	294.229	294.528	296.829	300.285	294.047	291.147	291.265	295.887	291.265
140.0	306.673	309.230	308.823	310.985	316.003	308.684	305.667	306.919	310.493	306.919
142.5	322.006	323.579	322.691	324.563	328.993	322.883	319.534	321.471	324.381	321.471
145.0	334.899	336.408	335.071	337.885	340.774	336.697	333.016	334.054	337.778	334.054
147.5	346.413	347.440	347.333	350.425	352.726	349.216	346.231	345.899	350.650	345.899
150.0	357.915	359.178	358.974	361.799	364.335	361.007	358.108	357.412	362.623	357.412
152.5	368.947	369.920	369.835	372.296	374.821	371.440	369.000	368.326	373.152	368.326
155.0	379.272	379.839	379.850	382.407	384.579	381.819	379.219	378.127	383.081	378.127
157.5	388.720	389.127	389.116	391.791	394.070	391.460	388.977	387.372	392.487	387.372
160.0	397.387	397.537	397.633	400.330	402.759	400.105	397.858	396.028	400.929	396.028
162.5	405.198	404.931	405.145	407.863	410.441	407.766	405.605	403.679	408.462	403.679
165.0	411.982	411.287	411.725	414.518	417.182	414.561	412.218	410.366	414.957	410.366
167.5	417.707	416.904	417.375	420.264	423.132	420.339	417.899	416.209	420.553	416.209
170.0	422.682	421.601	422.062	425.132	428.075	425.432	422.811	421.131	424.918	421.131
172.5	426.716	425.357	426.074	428.952	431.916	429.316	426.630	425.036	428.749	425.036
175.0	429.584	427.989	428.835	431.820	434.720	432.152	429.316	427.850	431.157	427.850
177.5	431.542	429.626	430.622	433.682	436.410	433.650	430.675	429.434	432.344	429.434
180.0	432.590	432.590	432.590	432.590	432.590	432.590	432.590	432.590	432.590	432.590

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516	1836.516
2.5	1836.109	1836.067	1835.478	1835.114	1833.188	1831.316	1828.106
5.0	1830.866	1831.145	1828.769	1827.378	1824.104	1823.836	1820.231
7.5	1821.354	1819.364	1817.737	1814.260	1811.713	1808.621	1807.615
10.0	1806.674	1804.855	1800.521	1797.493	1793.309	1790.699	1790.592
12.5	1788.837	1785.070	1780.341	1777.152	1771.428	1769.427	1769.224
15.0	1767.619	1763.135	1757.379	1752.938	1747.128	1743.276	1743.940
17.5	1741.158	1736.375	1729.323	1724.466	1717.725	1715.071	1716.227
20.0	1711.626	1705.644	1697.448	1691.370	1685.453	1681.933	1682.992
22.5	1677.246	1671.147	1661.603	1656.050	1649.405	1645.564	1645.574
25.0	1639.882	1630.787	1622.248	1615.304	1610.179	1605.535	1607.033
27.5	1597.959	1590.202	1579.727	1572.825	1566.266	1564.094	1564.287
30.0	1555.523	1545.733	1535.247	1528.228	1519.860	1517.742	1515.388
32.5	1508.176	1496.919	1487.375	1479.553	1470.319	1469.410	1467.419
35.0	1457.565	1446.640	1435.715	1425.829	1419.644	1415.749	1419.655
37.5	1403.326	1392.027	1381.317	1372.061	1364.592	1360.997	1368.519
40.0	1346.798	1335.446	1323.451	1312.783	1304.897	1302.661	1309.980
42.5	1286.718	1274.103	1262.151	1253.666	1245.940	1244.613	1248.947
45.0	1225.418	1213.455	1201.524	1191.306	1184.073	1184.565	1185.549
47.5	1159.869	1148.699	1135.538	1126.967	1119.027	1120.172	1125.865
50.0	1095.092	1081.674	1070.396	1059.653	1053.961	1053.597	1063.099
52.5	1026.772	1014.221	1001.713	991.644	986.658	986.936	997.754
55.0	955.350	945.013	932.516	923.464	917.878	918.210	926.224
57.5	884.911	873.462	864.004	853.165	848.307	847.087	854.523
60.0	812.676	802.671	791.736	783.187	777.590	778.361	784.289
62.5	739.381	728.349	719.489	711.432	707.152	707.195	715.777
65.0	666.182	654.819	646.173	638.512	633.889	633.654	644.878
67.5	591.154	582.572	575.146	567.528	562.210	562.306	573.274
70.0	519.389	508.796	502.975	494.297	490.392	492.478	499.080
72.5	446.351	438.261	432.441	423.988	422.147	421.291	430.129
75.0	374.147	366.561	362.623	355.743	352.918	352.758	363.040
77.5	303.655	298.851	295.202	287.734	285.861	283.678	294.806
80.0	234.266	229.997	226.027	220.345	218.227	218.002	227.600

IES INDOOR REPORT
PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D9.IES

CANDELA TABULATION - (Cont.)

82.5	168.900	166.107	162.715	158.125	156.102	155.385	162.726
85.0	105.577	104.667	107.867	107.599	104.165	97.135	103.458
87.5	49.434	50.921	55.747	53.511	50.140	44.566	48.749
90.0	27.713	33.277	21.571	36.027	25.562	23.208	30.110
92.5	41.441	41.484	40.724	46.267	45.710	40.039	37.140
95.0	48.856	49.252	50.279	55.255	55.148	50.622	46.459
97.5	59.096	59.332	61.846	65.591	66.126	62.574	57.256
100.0	69.978	70.320	74.215	76.912	77.254	74.622	69.143
102.5	81.341	82.080	86.670	88.746	88.585	86.435	81.331
105.0	93.518	94.652	99.938	101.147	100.580	98.772	93.753
107.5	106.583	108.091	113.762	114.447	113.506	111.976	106.968
110.0	120.610	122.483	128.058	128.550	127.244	126.110	121.231
112.5	135.409	137.345	143.284	143.166	141.711	140.277	136.307
115.0	150.399	152.357	156.734	158.028	156.573	154.904	151.673
117.5	165.711	167.819	174.924	173.105	171.649	170.109	166.802
120.0	181.322	183.708	190.920	188.588	186.950	186.148	182.189
122.5	197.212	199.887	206.125	204.466	202.669	201.877	198.667
125.0	213.444	216.065	219.981	220.431	218.580	217.970	214.535
127.5	230.211	231.933	237.016	236.170	234.437	232.993	230.018
130.0	245.394	247.748	251.985	251.589	249.952	248.497	245.972
132.5	260.845	263.552	267.500	266.858	265.082	263.766	262.193
135.0	276.103	279.056	283.860	282.106	279.923	279.345	277.697
137.5	291.147	294.047	300.285	296.829	294.528	294.229	292.035
140.0	305.667	308.684	316.003	310.985	308.823	309.230	306.673
142.5	319.534	322.883	328.993	324.563	322.691	323.579	322.006
145.0	333.016	336.697	340.774	337.885	335.071	336.408	334.899
147.5	346.231	349.216	352.726	350.425	347.333	347.440	346.413
150.0	358.108	361.007	364.335	361.799	358.974	359.178	357.915
152.5	369.000	371.440	374.821	372.296	369.835	369.920	368.947
155.0	379.219	381.819	384.579	382.407	379.850	379.839	379.272
157.5	388.977	391.460	394.070	391.791	389.116	389.127	388.720
160.0	397.858	400.105	402.759	400.330	397.633	397.537	397.387
162.5	405.605	407.766	410.441	407.863	405.145	404.931	405.198
165.0	412.218	414.561	417.182	414.518	411.725	411.287	411.982
167.5	417.899	420.339	423.132	420.264	417.375	416.904	417.707
170.0	422.811	425.432	428.075	425.132	422.062	421.601	422.682
172.5	426.630	429.316	431.916	428.952	426.074	425.357	426.716
175.0	429.316	432.152	434.720	431.820	428.835	427.989	429.584
177.5	430.675	433.650	436.410	433.682	430.622	429.626	431.542
180.0	432.590	432.590	432.590	432.590	432.590	432.590	432.590

IES INDOOR REPORT
PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D9.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	669.36	N.A.	10.30
0-30	1417.94	N.A.	21.80
0-40	2317.48	N.A.	35.70
0-60	4084.52	N.A.	62.80
0-80	5113.58	N.A.	78.70
0-90	5234.83	N.A.	80.50
10-90	5061.25	N.A.	77.90
20-40	1648.12	N.A.	25.40
20-50	2577.2	N.A.	39.60
40-70	2411.08	N.A.	37.10
60-80	1029.05	N.A.	15.80
70-80	385.02	N.A.	5.90
80-90	121.26	N.A.	1.90
90-110	159.38	N.A.	2.50
90-120	312.36	N.A.	4.80
90-130	506.54	N.A.	7.80
90-150	932.39	N.A.	14.30
90-180	1265.37	N.A.	19.50
110-180	1105.99	N.A.	17.00
0-180	6500.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.58
10-20	495.78
20-30	748.58
30-40	899.55
40-50	929.08
50-60	837.96
60-70	644.04
70-80	385.02
80-90	121.26
90-100	56.01
100-110	103.37
110-120	152.98
120-130	194.18
130-140	215.57
140-150	210.28
150-160	175.54
160-170	116.57
170-180	40.87

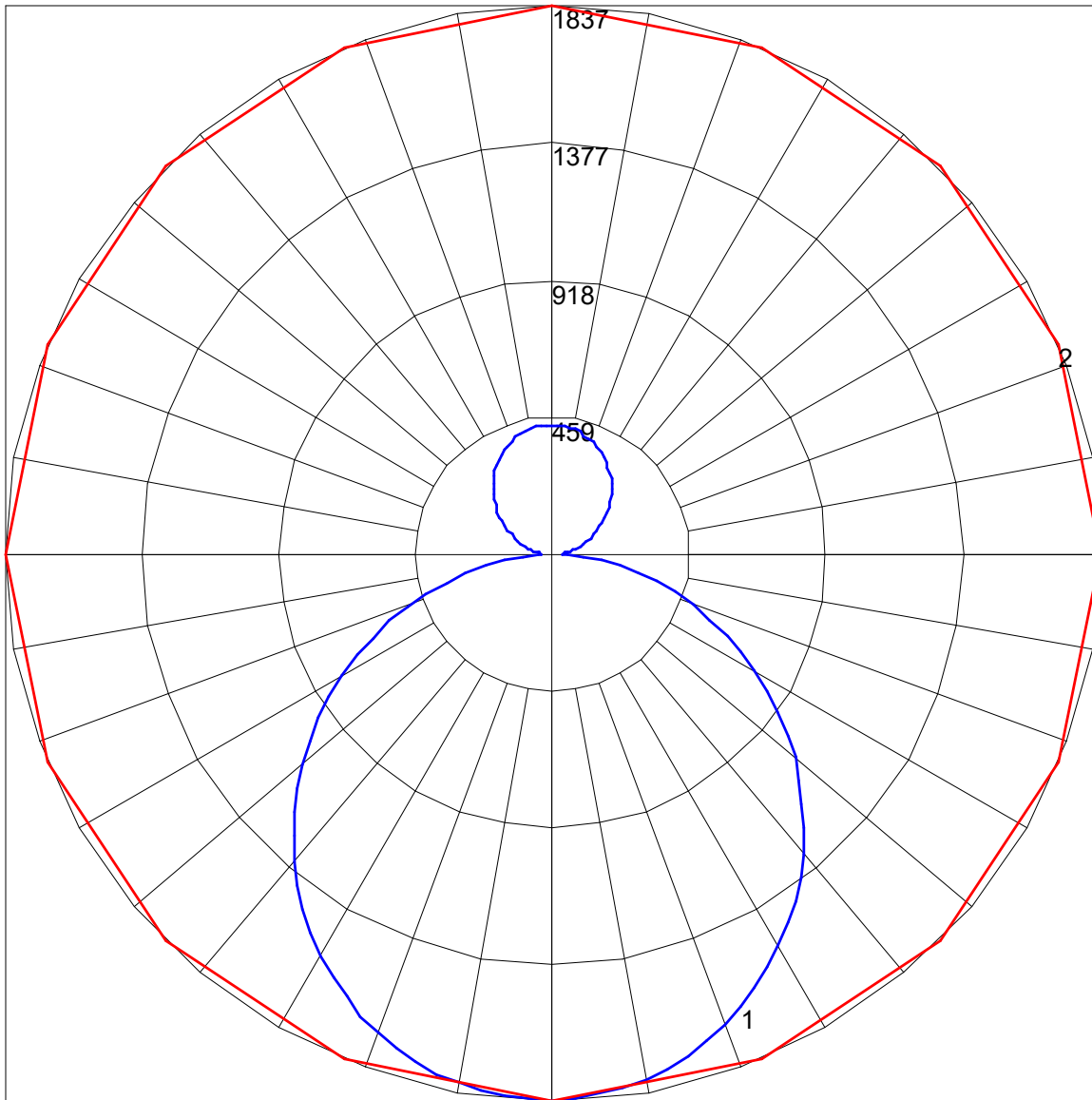
IES INDOOR REPORT
PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D9.IES

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	114	114	114	114	109	109	109	109	100	100	100	92	92	92	84	84	84	81
1	104	99	95	91	100	95	92	88	88	85	82	80	78	76	74	72	70	67
2	95	87	80	74	90	83	77	72	76	72	67	70	66	63	65	61	59	56
3	86	76	68	62	82	73	66	60	67	61	56	62	57	53	57	53	50	47
4	79	67	59	52	75	65	57	51	60	53	48	55	50	45	51	46	43	40
5	72	60	51	45	69	58	50	44	53	47	41	49	44	39	46	41	37	34
6	67	54	45	39	64	52	44	38	48	41	36	45	39	34	41	36	32	30
7	62	49	40	34	59	47	39	33	44	37	32	41	35	30	38	33	29	27
8	57	44	36	30	55	43	35	30	40	33	28	37	31	27	35	30	26	24
9	54	41	33	27	51	39	32	27	37	30	25	34	28	24	32	27	23	21
10	50	37	30	25	48	36	29	24	34	27	23	32	26	22	30	25	21	19

POLAR GRAPH



Maximum Candela = 1836.516 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.)