



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OLV-30-LED35-MO-FWA-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Prudential Lighting

[TESTLAB] Intertek

[ISSUE DATE] March 28, 2017

[MANUFAC] OLV-30-LED35-MO-FWA-D1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3789
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	58
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	3.00 ft (Diameter)
Luminous Width (90-270)	3.00 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1874	1870	1864
55	1815	1804	1803
65	1729	1716	1712
75	1611	1597	1592
85	1458	1435	1424

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OLV-30-LED35-MO-FWA-D1.IES**

**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287
<b>2.5</b>	1304.212	1304.467	1305.028	1305.569	1305.351	1305.569	1305.028	1304.467	1304.212	1304.467
<b>5.0</b>	1299.449	1300.021	1300.390	1300.530	1300.338	1300.530	1300.390	1300.021	1299.449	1300.021
<b>7.5</b>	1292.034	1292.746	1293.089	1293.162	1292.990	1293.162	1293.089	1292.746	1292.034	1292.746
<b>10.0</b>	1282.164	1282.341	1282.304	1282.637	1282.752	1282.637	1282.304	1282.341	1282.164	1282.341
<b>12.5</b>	1268.701	1269.481	1268.857	1269.226	1269.226	1269.226	1268.857	1269.481	1268.701	1269.481
<b>15.0</b>	1253.002	1253.465	1253.486	1253.143	1252.987	1253.143	1253.486	1253.465	1253.002	1253.465
<b>17.5</b>	1234.054	1234.766	1234.449	1234.444	1234.345	1234.444	1234.449	1234.766	1234.054	1234.766
<b>20.0</b>	1212.952	1213.202	1212.411	1212.255	1212.281	1212.255	1212.411	1213.202	1212.952	1213.202
<b>22.5</b>	1188.751	1189.370	1188.346	1187.914	1187.420	1187.914	1188.346	1189.370	1188.751	1189.370
<b>25.0</b>	1162.106	1162.767	1161.633	1161.316	1160.453	1161.316	1161.633	1162.767	1162.106	1162.767
<b>27.5</b>	1133.465	1133.397	1133.075	1132.279	1131.010	1132.279	1133.075	1133.397	1133.465	1133.397
<b>30.0</b>	1100.263	1102.332	1101.532	1100.372	1099.228	1100.372	1101.532	1102.332	1100.263	1102.332
<b>32.5</b>	1066.692	1069.162	1067.997	1066.697	1065.568	1066.697	1067.997	1069.162	1066.692	1069.162
<b>35.0</b>	1031.618	1033.604	1032.309	1030.895	1029.350	1030.895	1032.309	1033.604	1031.618	1033.604
<b>37.5</b>	994.776	995.493	994.157	993.117	991.318	993.117	994.157	995.493	994.776	995.493
<b>40.0</b>	956.592	955.994	954.361	952.843	951.496	952.843	954.361	955.994	956.592	955.994
<b>42.5</b>	915.018	915.002	912.694	910.915	910.504	910.915	912.694	915.002	915.018	915.002
<b>45.0</b>	871.125	871.260	869.081	867.303	866.341	867.303	869.081	871.260	871.125	871.260
<b>47.5</b>	825.713	825.786	823.846	822.146	820.867	822.146	823.846	825.786	825.713	825.786
<b>50.0</b>	779.475	779.449	777.182	775.362	775.174	775.362	777.182	779.449	779.475	779.449
<b>52.5</b>	732.919	731.806	729.399	727.761	727.355	727.761	729.399	731.806	732.919	731.806
<b>55.0</b>	684.403	682.838	680.254	678.959	679.723	678.959	680.254	682.838	684.403	682.838
<b>57.5</b>	633.953	633.032	630.661	629.236	629.642	629.236	630.661	633.032	633.953	633.032
<b>60.0</b>	582.447	582.338	579.691	578.937	577.564	578.937	579.691	582.338	582.447	582.338
<b>62.5</b>	531.783	530.936	528.351	527.530	525.803	527.530	528.351	530.936	531.783	530.936
<b>65.0</b>	480.272	479.180	476.814	475.561	475.488	475.561	476.814	479.180	480.272	479.180
<b>67.5</b>	428.600	427.305	425.214	424.102	424.377	424.102	425.214	427.305	428.600	427.305
<b>70.0</b>	376.168	375.814	373.537	372.590	372.278	372.590	373.537	375.814	376.168	375.814
<b>72.5</b>	324.293	324.397	322.322	322.026	320.840	322.026	322.322	324.397	324.293	324.397
<b>75.0</b>	274.123	273.822	271.643	271.544	270.795	271.544	271.643	273.822	274.123	273.822
<b>77.5</b>	225.144	223.902	222.118	221.650	221.114	221.650	222.118	223.902	225.144	223.902
<b>80.0</b>	176.082	175.016	173.976	173.212	173.399	173.212	173.976	175.016	176.082	175.016
<b>82.5</b>	128.294	127.582	126.963	126.532	126.589	126.532	126.963	127.582	128.294	127.582
<b>85.0</b>	83.554	82.514	82.228	81.593	81.562	81.593	82.228	82.514	83.554	82.514
<b>87.5</b>	40.919	39.811	39.718	38.964	38.563	38.964	39.718	39.811	40.919	39.811
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OLV-30-LED35-MO-FWA-D1.IES**

**CANDELA TABULATION - (Cont.)**

135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287	1306.287
2.5	1305.028	1305.569	1305.351	1305.569	1305.028	1304.467	1304.212
5.0	1300.390	1300.530	1300.338	1300.530	1300.390	1300.021	1299.449
7.5	1293.089	1293.162	1292.990	1293.162	1293.089	1292.746	1292.034
10.0	1282.304	1282.637	1282.752	1282.637	1282.304	1282.341	1282.164
12.5	1268.857	1269.226	1269.226	1269.226	1268.857	1269.481	1268.701
15.0	1253.486	1253.143	1252.987	1253.143	1253.486	1253.465	1253.002
17.5	1234.449	1234.444	1234.345	1234.444	1234.449	1234.766	1234.054
20.0	1212.411	1212.255	1212.281	1212.255	1212.411	1213.202	1212.952
22.5	1188.346	1187.914	1187.420	1187.914	1188.346	1189.370	1188.751
25.0	1161.633	1161.316	1160.453	1161.316	1161.633	1162.767	1162.106
27.5	1133.075	1132.279	1131.010	1132.279	1133.075	1133.397	1133.465
30.0	1101.532	1100.372	1099.228	1100.372	1101.532	1102.332	1100.263
32.5	1067.997	1066.697	1065.568	1066.697	1067.997	1069.162	1066.692
35.0	1032.309	1030.895	1029.350	1030.895	1032.309	1033.604	1031.618
37.5	994.157	993.117	991.318	993.117	994.157	995.493	994.776
40.0	954.361	952.843	951.496	952.843	954.361	955.994	956.592
42.5	912.694	910.915	910.504	910.915	912.694	915.002	915.018
45.0	869.081	867.303	866.341	867.303	869.081	871.260	871.125
47.5	823.846	822.146	820.867	822.146	823.846	825.786	825.713
50.0	777.182	775.362	775.174	775.362	777.182	779.449	779.475
52.5	729.399	727.761	727.355	727.761	729.399	731.806	732.919
55.0	680.254	678.959	679.723	678.959	680.254	682.838	684.403
57.5	630.661	629.236	629.642	629.236	630.661	633.032	633.953
60.0	579.691	578.937	577.564	578.937	579.691	582.338	582.447
62.5	528.351	527.530	525.803	527.530	528.351	530.936	531.783
65.0	476.814	475.561	475.488	475.561	476.814	479.180	480.272
67.5	425.214	424.102	424.377	424.102	425.214	427.305	428.600
70.0	373.537	372.590	372.278	372.590	373.537	375.814	376.168
72.5	322.322	322.026	320.840	322.026	322.322	324.397	324.293
75.0	271.643	271.544	270.795	271.544	271.643	273.822	274.123
77.5	222.118	221.650	221.114	221.650	222.118	223.902	225.144
80.0	173.976	173.212	173.399	173.212	173.976	175.016	176.082

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : OLV-30-LED35-MO-FWA-D1.IES

CANDELA TABULATION - (Cont.)

82.5	126.963	126.532	126.589	126.532	126.963	127.582	128.294
85.0	82.228	81.593	81.562	81.593	82.228	82.514	83.554
87.5	39.718	38.964	38.563	38.964	39.718	39.811	40.919
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	477.20	N.A.	12.60
0-30	1012.58	N.A.	26.70
0-40	1657.97	N.A.	43.80
0-60	2936.78	N.A.	77.50
0-80	3697.29	N.A.	97.60
0-90	3788.72	N.A.	100.00
10-90	3665.16	N.A.	96.70
20-40	1180.78	N.A.	31.20
20-50	1851.03	N.A.	48.90
40-70	1751.28	N.A.	46.20
60-80	760.51	N.A.	20.10
70-80	288.04	N.A.	7.60
80-90	91.43	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3788.72	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.55
10-20	353.64
20-30	535.38
30-40	645.39
40-50	670.25
50-60	608.55
60-70	472.47
70-80	288.04
80-90	91.43
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

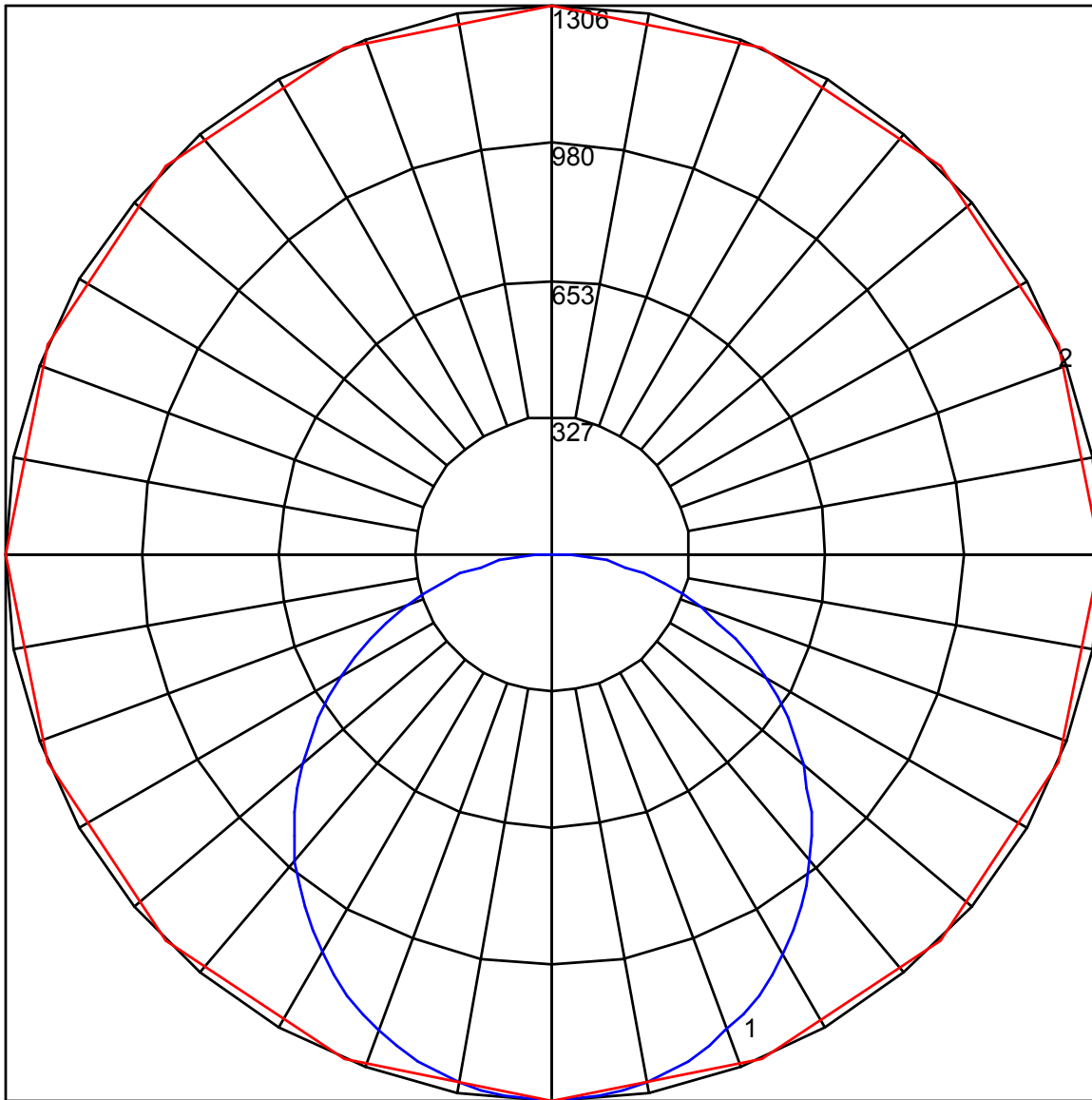
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1306.287 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.)