



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OLV-40-LED35-HO-FWA-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] Prudential Lighting
 [TESTLAB] Intertek
 [ISSUE DATE] March 28, 2017
 [MANUFAC] OLV-40-LED35-HO-FWA-D1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12532
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	200
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	6199	6185	6165
55	6004	5968	5963
65	5719	5677	5662
75	5330	5282	5265
85	4824	4748	4709

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795
2.5	4313.932	4314.775	4316.632	4318.421	4317.699	4318.421	4316.632	4314.775	4313.932	4314.775
5.0	4298.177	4300.069	4301.290	4301.754	4301.118	4301.754	4301.290	4300.069	4298.177	4300.069
7.5	4273.650	4276.006	4277.141	4277.382	4276.814	4277.382	4277.141	4276.006	4273.650	4276.006
10.0	4241.004	4241.589	4241.468	4242.569	4242.948	4242.569	4241.468	4241.589	4241.004	4241.589
12.5	4196.473	4199.053	4196.989	4198.210	4198.210	4198.210	4196.989	4199.053	4196.473	4199.053
15.0	4144.546	4146.077	4146.146	4145.011	4144.495	4145.011	4146.146	4146.077	4144.546	4146.077
17.5	4081.870	4084.226	4083.177	4083.160	4082.833	4083.160	4083.177	4084.226	4081.870	4084.226
20.0	4012.072	4012.898	4010.283	4009.767	4009.853	4009.767	4010.283	4012.898	4012.072	4012.898
22.5	3932.023	3934.070	3930.682	3929.254	3927.620	3929.254	3930.682	3934.070	3932.023	3934.070
25.0	3843.890	3846.075	3842.325	3841.276	3838.421	3841.276	3842.325	3846.075	3843.890	3846.075
27.5	3749.153	3748.929	3747.863	3745.231	3741.034	3745.231	3747.863	3748.929	3749.153	3748.929
30.0	3639.331	3646.176	3643.528	3639.692	3635.908	3639.692	3643.528	3646.176	3639.331	3646.176
32.5	3528.288	3536.458	3532.605	3528.305	3524.572	3528.305	3532.605	3536.458	3528.288	3536.458
35.0	3412.274	3418.844	3414.561	3409.883	3404.774	3409.883	3414.561	3418.844	3412.274	3418.844
37.5	3290.412	3292.785	3288.365	3284.925	3278.974	3284.925	3288.365	3292.785	3290.412	3292.785
40.0	3164.112	3162.134	3156.733	3151.711	3147.256	3151.711	3156.733	3162.134	3164.112	3162.134
42.5	3026.598	3026.546	3018.910	3013.027	3011.668	3013.027	3018.910	3026.546	3026.598	3026.546
45.0	2881.413	2881.860	2874.653	2868.771	2865.589	2868.771	2874.653	2881.860	2881.413	2881.860
47.5	2731.205	2731.446	2725.030	2719.406	2715.175	2719.406	2725.030	2731.446	2731.205	2731.446
50.0	2578.263	2578.177	2570.678	2564.658	2564.038	2564.658	2570.678	2578.177	2578.263	2578.177
52.5	2424.271	2420.590	2412.627	2407.209	2405.867	2407.209	2412.627	2420.590	2424.271	2420.590
55.0	2263.795	2258.618	2250.070	2245.787	2248.315	2245.787	2250.070	2258.618	2263.795	2258.618
57.5	2096.921	2093.876	2086.033	2081.320	2082.662	2081.320	2086.033	2093.876	2096.921	2093.876
60.0	1926.555	1926.194	1917.439	1914.945	1910.404	1914.945	1917.439	1926.194	1926.555	1926.194
62.5	1758.975	1756.172	1747.623	1744.906	1739.195	1744.906	1747.623	1756.172	1758.975	1756.172
65.0	1588.592	1584.980	1577.154	1573.009	1572.768	1573.009	1577.154	1584.980	1588.592	1584.980
67.5	1417.676	1413.393	1406.478	1402.798	1403.709	1402.798	1406.478	1413.393	1417.676	1413.393
70.0	1244.248	1243.078	1235.545	1232.414	1231.382	1232.414	1235.545	1243.078	1244.248	1243.078
72.5	1072.661	1073.005	1066.142	1065.162	1061.240	1065.162	1066.142	1073.005	1072.661	1073.005
75.0	906.715	905.718	898.511	898.184	895.707	898.184	898.511	905.718	906.715	905.718
77.5	744.708	740.598	734.698	733.150	731.378	733.150	734.698	740.598	744.708	740.598
80.0	582.426	578.900	575.460	572.932	573.551	572.932	575.460	578.900	582.426	578.900
82.5	424.358	422.002	419.955	418.528	418.717	418.528	419.955	422.002	424.358	422.002
85.0	276.370	272.930	271.984	269.885	269.782	269.885	271.984	272.930	276.370	272.930
87.5	135.347	131.683	131.374	128.880	127.555	128.880	131.374	131.683	135.347	131.683
90.0	0.000	0.000	0.000	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	0.000	0.000	0.000
95.0	0.000	0.000	0.000	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	0.000	0.000	0.000
100.0	0.000	0.000	0.000	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	0.000	0.000	0.000
105.0	0.000	0.000	0.000	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	0.000	0.000	0.000
110.0	0.000	0.000	0.000	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	0.000	0.000	0.000
115.0	0.000	0.000	0.000	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	0.000	0.000	0.000
120.0	0.000	0.000	0.000	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	0.000	0.000	0.000
125.0	0.000	0.000	0.000	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	0.000	0.000	0.000
130.0	0.000	0.000	0.000	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	0.000	0.000	0.000

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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. Horizontal Angles

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795	4320.795
2.5	4316.632	4318.421	4317.699	4318.421	4316.632	4314.775	4313.932
5.0	4301.290	4301.754	4301.118	4301.754	4301.290	4300.069	4298.177
7.5	4277.141	4277.382	4276.814	4277.382	4277.141	4276.006	4273.650
10.0	4241.468	4242.569	4242.948	4242.569	4241.468	4241.589	4241.004
12.5	4196.989	4198.210	4198.210	4198.210	4196.989	4199.053	4196.473
15.0	4146.146	4145.011	4144.495	4145.011	4146.146	4146.077	4144.546
17.5	4083.177	4083.160	4082.833	4083.160	4083.177	4084.226	4081.870
20.0	4010.283	4009.767	4009.853	4009.767	4010.283	4012.898	4012.072
22.5	3930.682	3929.254	3927.620	3929.254	3930.682	3934.070	3932.023
25.0	3842.325	3841.276	3838.421	3841.276	3842.325	3846.075	3843.890
27.5	3747.863	3745.231	3741.034	3745.231	3747.863	3748.929	3749.153
30.0	3643.528	3639.692	3635.908	3639.692	3643.528	3646.176	3639.331
32.5	3532.605	3528.305	3524.572	3528.305	3532.605	3536.458	3528.288
35.0	3414.561	3409.883	3404.774	3409.883	3414.561	3418.844	3412.274
37.5	3288.365	3284.925	3278.974	3284.925	3288.365	3292.785	3290.412
40.0	3156.733	3151.711	3147.256	3151.711	3156.733	3162.134	3164.112
42.5	3018.910	3013.027	3011.668	3013.027	3018.910	3026.546	3026.598
45.0	2874.653	2868.771	2865.589	2868.771	2874.653	2881.860	2881.413
47.5	2725.030	2719.406	2715.175	2719.406	2725.030	2731.446	2731.205
50.0	2570.678	2564.658	2564.038	2564.658	2570.678	2578.177	2578.263
52.5	2412.627	2407.209	2405.867	2407.209	2412.627	2420.590	2424.271
55.0	2250.070	2245.787	2248.315	2245.787	2250.070	2258.618	2263.795
57.5	2086.033	2081.320	2082.662	2081.320	2086.033	2093.876	2096.921
60.0	1917.439	1914.945	1910.404	1914.945	1917.439	1926.194	1926.555
62.5	1747.623	1744.906	1739.195	1744.906	1747.623	1756.172	1758.975
65.0	1577.154	1573.009	1572.768	1573.009	1577.154	1584.980	1588.592
67.5	1406.478	1402.798	1403.709	1402.798	1406.478	1413.393	1417.676
70.0	1235.545	1232.414	1231.382	1232.414	1235.545	1243.078	1244.248
72.5	1066.142	1065.162	1061.240	1065.162	1066.142	1073.005	1072.661
75.0	898.511	898.184	895.707	898.184	898.511	905.718	906.715
77.5	734.698	733.150	731.378	733.150	734.698	740.598	744.708
80.0	575.460	572.932	573.551	572.932	575.460	578.900	582.426

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CANDELA TABULATION - (Cont.)

82.5	419.955	418.528	418.717	418.528	419.955	422.002	424.358
85.0	271.984	269.885	269.782	269.885	271.984	272.930	276.370
87.5	131.374	128.880	127.555	128.880	131.374	131.683	135.347
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	1578.41	N.A.	12.60
0-30	3349.3	N.A.	26.70
0-40	5484.06	N.A.	43.80
0-60	9713.96	N.A.	77.50
0-80	12229.5	N.A.	97.60
0-90	12531.92	N.A.	100.00
10-90	12123.24	N.A.	96.70
20-40	3905.65	N.A.	31.20
20-50	6122.63	N.A.	48.90
40-70	5792.68	N.A.	46.20
60-80	2515.55	N.A.	20.10
70-80	952.76	N.A.	7.60
80-90	302.42	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	12531.92	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	408.68
10-20	1169.73
20-30	1770.88
30-40	2134.76
40-50	2216.99
50-60	2012.91
60-70	1562.78
70-80	952.76
80-90	302.42
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

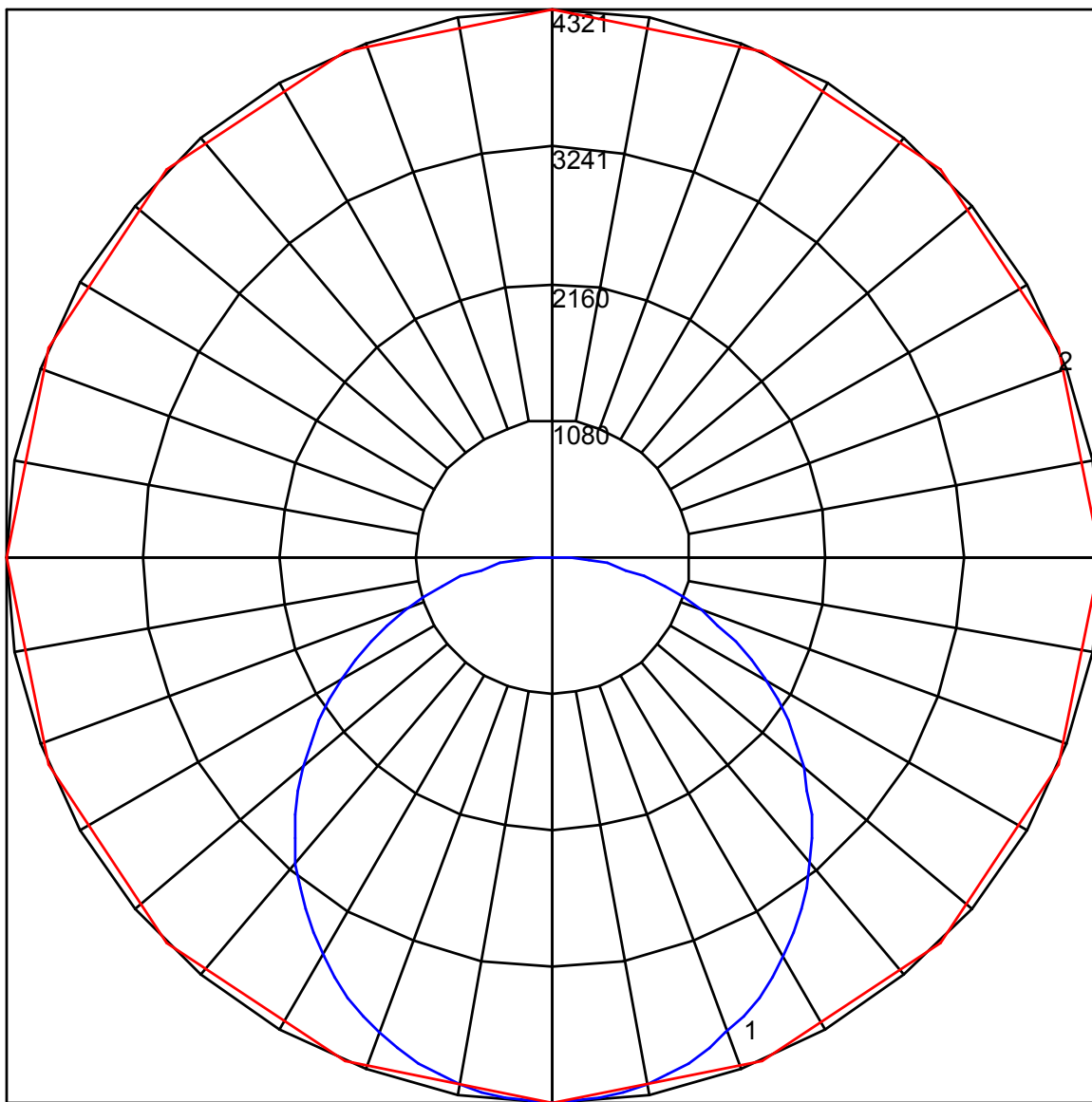
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	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	45	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 = 4320.795 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.)