



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OLV-40-LED35-LO-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-LO-FWA-D1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5027
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	70
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	2487	2481	2473
55	2409	2394	2392
65	2294	2278	2271
75	2138	2119	2112
85	1935	1905	1889

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OLV-40-LED35-LO-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>	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342
<b>2.5</b>	1730.589	1730.927	1731.672	1732.390	1732.100	1732.390	1731.672	1730.927	1730.589	1730.927
<b>5.0</b>	1724.269	1725.028	1725.517	1725.704	1725.448	1725.704	1725.517	1725.028	1724.269	1725.028
<b>7.5</b>	1714.429	1715.374	1715.830	1715.926	1715.699	1715.926	1715.830	1715.374	1714.429	1715.374
<b>10.0</b>	1701.333	1701.568	1701.519	1701.961	1702.113	1701.961	1701.519	1701.568	1701.333	1701.568
<b>12.5</b>	1683.469	1684.504	1683.676	1684.166	1684.166	1684.166	1683.676	1684.504	1683.469	1684.504
<b>15.0</b>	1662.638	1663.252	1663.279	1662.824	1662.617	1662.824	1663.279	1663.252	1662.638	1663.252
<b>17.5</b>	1637.494	1638.439	1638.019	1638.012	1637.881	1638.012	1638.019	1638.439	1637.494	1638.439
<b>20.0</b>	1609.494	1609.825	1608.776	1608.569	1608.604	1608.569	1608.776	1609.825	1609.494	1609.825
<b>22.5</b>	1577.381	1578.202	1576.843	1576.270	1575.615	1576.270	1576.843	1578.202	1577.381	1578.202
<b>25.0</b>	1542.026	1542.902	1541.398	1540.977	1539.832	1540.977	1541.398	1542.902	1542.026	1542.902
<b>27.5</b>	1504.021	1503.931	1503.503	1502.447	1500.764	1502.447	1503.503	1503.931	1504.021	1503.931
<b>30.0</b>	1459.964	1462.710	1461.648	1460.109	1458.591	1460.109	1461.648	1462.710	1459.964	1462.710
<b>32.5</b>	1415.418	1418.695	1417.150	1415.425	1413.927	1415.425	1417.150	1418.695	1415.418	1418.695
<b>35.0</b>	1368.877	1371.513	1369.795	1367.918	1365.869	1367.918	1369.795	1371.513	1368.877	1371.513
<b>37.5</b>	1319.991	1320.943	1319.170	1317.790	1315.402	1317.790	1319.170	1320.943	1319.991	1320.943
<b>40.0</b>	1269.324	1268.530	1266.364	1264.349	1262.562	1264.349	1266.364	1268.530	1269.324	1268.530
<b>42.5</b>	1214.158	1214.138	1211.074	1208.714	1208.169	1208.714	1211.074	1214.138	1214.158	1214.138
<b>45.0</b>	1155.916	1156.095	1153.204	1150.844	1149.568	1150.844	1153.204	1156.095	1155.916	1156.095
<b>47.5</b>	1095.658	1095.754	1093.181	1090.924	1089.227	1090.924	1093.181	1095.754	1095.658	1095.754
<b>50.0</b>	1034.303	1034.269	1031.260	1028.845	1028.597	1028.845	1031.260	1034.269	1034.303	1034.269
<b>52.5</b>	972.527	971.051	967.856	965.683	965.144	965.683	967.856	971.051	972.527	971.051
<b>55.0</b>	908.150	906.073	902.644	900.926	901.940	900.926	902.644	906.073	908.150	906.073
<b>57.5</b>	841.207	839.985	836.839	834.948	835.486	834.948	836.839	839.985	841.207	839.985
<b>60.0</b>	772.862	772.717	769.205	768.205	766.383	768.205	769.205	772.717	772.862	772.717
<b>62.5</b>	705.635	704.511	701.081	699.991	697.700	699.991	701.081	704.511	705.635	704.511
<b>65.0</b>	637.284	635.835	632.695	631.033	630.936	631.033	632.695	635.835	637.284	635.835
<b>67.5</b>	568.719	567.001	564.227	562.750	563.116	562.750	564.227	567.001	568.719	567.001
<b>70.0</b>	499.146	498.677	495.655	494.399	493.985	494.399	495.655	498.677	499.146	498.677
<b>72.5</b>	430.312	430.450	427.696	427.303	425.730	427.303	427.696	430.450	430.312	430.450
<b>75.0</b>	363.740	363.340	360.449	360.318	359.324	360.318	360.449	363.340	363.740	363.340
<b>77.5</b>	298.749	297.100	294.733	294.112	293.402	294.112	294.733	297.100	298.749	297.100
<b>80.0</b>	233.648	232.233	230.853	229.839	230.087	229.839	230.853	232.233	233.648	232.233
<b>82.5</b>	170.237	169.291	168.470	167.898	167.974	167.898	168.470	169.291	170.237	169.291
<b>85.0</b>	110.869	109.489	109.110	108.268	108.226	108.268	109.110	109.489	110.869	109.489
<b>87.5</b>	54.296	52.826	52.702	51.702	51.170	51.702	52.702	52.826	54.296	52.826
<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

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**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. 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	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342	1733.342
2.5	1731.672	1732.390	1732.100	1732.390	1731.672	1730.927	1730.589
5.0	1725.517	1725.704	1725.448	1725.704	1725.517	1725.028	1724.269
7.5	1715.830	1715.926	1715.699	1715.926	1715.830	1715.374	1714.429
10.0	1701.519	1701.961	1702.113	1701.961	1701.519	1701.568	1701.333
12.5	1683.676	1684.166	1684.166	1684.166	1683.676	1684.504	1683.469
15.0	1663.279	1662.824	1662.617	1662.824	1663.279	1663.252	1662.638
17.5	1638.019	1638.012	1637.881	1638.012	1638.019	1638.439	1637.494
20.0	1608.776	1608.569	1608.604	1608.569	1608.776	1609.825	1609.494
22.5	1576.843	1576.270	1575.615	1576.270	1576.843	1578.202	1577.381
25.0	1541.398	1540.977	1539.832	1540.977	1541.398	1542.902	1542.026
27.5	1503.503	1502.447	1500.764	1502.447	1503.503	1503.931	1504.021
30.0	1461.648	1460.109	1458.591	1460.109	1461.648	1462.710	1459.964
32.5	1417.150	1415.425	1413.927	1415.425	1417.150	1418.695	1415.418
35.0	1369.795	1367.918	1365.869	1367.918	1369.795	1371.513	1368.877
37.5	1319.170	1317.790	1315.402	1317.790	1319.170	1320.943	1319.991
40.0	1266.364	1264.349	1262.562	1264.349	1266.364	1268.530	1269.324
42.5	1211.074	1208.714	1208.169	1208.714	1211.074	1214.138	1214.158
45.0	1153.204	1150.844	1149.568	1150.844	1153.204	1156.095	1155.916
47.5	1093.181	1090.924	1089.227	1090.924	1093.181	1095.754	1095.658
50.0	1031.260	1028.845	1028.597	1028.845	1031.260	1034.269	1034.303
52.5	967.856	965.683	965.144	965.683	967.856	971.051	972.527
55.0	902.644	900.926	901.940	900.926	902.644	906.073	908.150
57.5	836.839	834.948	835.486	834.948	836.839	839.985	841.207
60.0	769.205	768.205	766.383	768.205	769.205	772.717	772.862
62.5	701.081	699.991	697.700	699.991	701.081	704.511	705.635
65.0	632.695	631.033	630.936	631.033	632.695	635.835	637.284
67.5	564.227	562.750	563.116	562.750	564.227	567.001	568.719
70.0	495.655	494.399	493.985	494.399	495.655	498.677	499.146
72.5	427.696	427.303	425.730	427.303	427.696	430.450	430.312
75.0	360.449	360.318	359.324	360.318	360.449	363.340	363.740
77.5	294.733	294.112	293.402	294.112	294.733	297.100	298.749
80.0	230.853	229.839	230.087	229.839	230.853	232.233	233.648

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**CANDELA TABULATION - (Cont.)**

82.5	168.470	167.898	167.974	167.898	168.470	169.291	170.237
85.0	109.110	108.268	108.226	108.268	109.110	109.489	110.869
87.5	52.702	51.702	51.170	51.702	52.702	52.826	54.296
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	633.20	N.A.	12.60
0-30	1343.61	N.A.	26.70
0-40	2200.00	N.A.	43.80
0-60	3896.88	N.A.	77.50
0-80	4906.02	N.A.	97.60
0-90	5027.34	N.A.	100.00
10-90	4863.39	N.A.	96.70
20-40	1566.8	N.A.	31.20
20-50	2456.17	N.A.	48.90
40-70	2323.81	N.A.	46.20
60-80	1009.14	N.A.	20.10
70-80	382.21	N.A.	7.60
80-90	121.32	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	5027.34	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	163.95
10-20	469.25
20-30	710.41
30-40	856.39
40-50	889.37
50-60	807.50
60-70	626.93
70-80	382.21
80-90	121.32
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

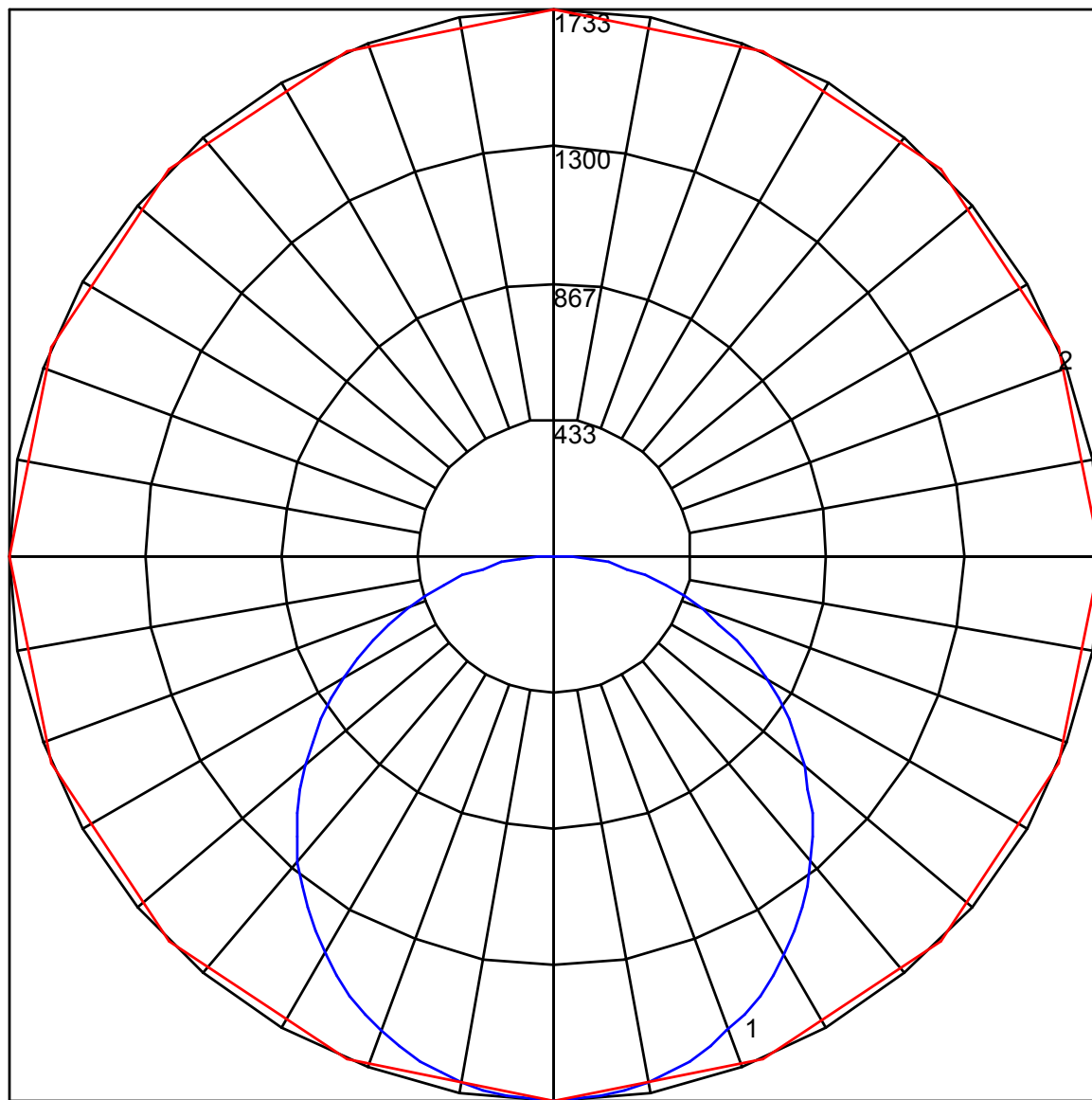
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1733.342 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.)